

UNCLASSIFIED

AD NUMBER

AD922599

LIMITATION CHANGES

TO:

Approved for public release; distribution is unlimited.

FROM:

Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; JAN 1974. Other requests shall be referred to Aeronautical Systems Div., Attn: SMK, Wright-Patterson AFB, OH 45433.

AUTHORITY

ASD/USAF ltr dtd 3 Jan 1975

THIS PAGE IS UNCLASSIFIED



**F-4 RAIN TIRE PERFORMANCE
FLIGHT TESTS
APPENDIX B**

Larry K. McGallon, Major USAF, Project Engineer

**MARCH 1974
FINAL REPORT**

Distribution limited to U.S. Government agencies only
(Test and Evaluation), January 1974. Other requests
for this document must be referred to ASD/SMK, Wright-
Patterson AFB, Ohio 45433.

Controlling Office: ASD/SMK
Wright-Patterson AFB, Ohio 45433

**AIR FORCE FLIGHT TEST CENTER
EDWARDS AIR FORCE BASE, CALIFORNIA
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE**

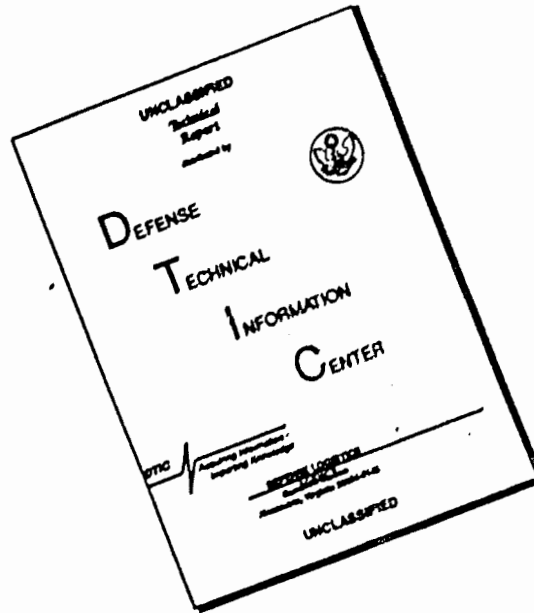
DDC
RECEIVED
OCT 5 1974
B

AFFTC-TR-74-3

AFFTC

AD 922-5991

DISCLAIMER NOTICE



THIS DOCUMENT IS BEST QUALITY AVAILABLE. THE COPY FURNISHED TO DTIC CONTAINED A SIGNIFICANT NUMBER OF PAGES WHICH DO NOT REPRODUCE LEGIBLY.

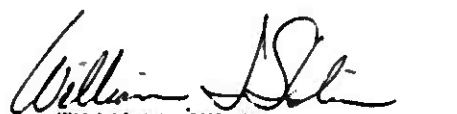
This technical report was submitted under Job Order Number 5549AO by the Performance and Flying Qualities Branch, Flight Test Engineering Division, Directorate of Test Engineering and Services, of the Air Force Flight Test Center, Edwards AFB, California 93523.


Foreign announcement and dissemination by the Defense Documentation Center are not authorized because of technology restrictions of the U.S. Export Control Acts as implemented by AFR 400-10.

Prepared by:


LARRY K. MCCALLON
Major, USAF
Project Engineer

This report has been reviewed and
is approved for publication:
13 February 1974.


WILLIAM L. SKLIAR
Colonel, USAF
Ass't Deputy Commander for Operations


HOWARD M. LANE
Brigadier General, USAF
Commander

Qualified requesters may obtain copies of this report from the Defense Documentation Center, Cameron Station, Alexandria Virginia 22314. Department of Defense contractors must be established for DDC services or have "need to know" certified by cognizant military agency of their project or contract.

DDC release to NTIS is not authorized.

When U.S. Government drawings, specifications, or other data are used for any purpose other than a definitely related government procurement operation, the government thereby incurs no responsibility nor any obligation whatsoever; and the fact that the government may have formulated, furnished, or in any way supplied the said drawings, specifications, or any other data is not to be regarded by implication or otherwise, as in any manner licensing the holder or any other person or corporation to conveying any rights or permission to manufacture, use or sell any patented invention that may in any way be related thereto.

Do not return this copy; retain or destroy.

ERRATA SHEET

AFFTC-TR-74-3, March 1974
Appendix B - Antiskid Stripcharts

Pages 3 through 80; second
and sixth parameters

Change "pitot-metered" to
pilot-metered.

list of illustrations

Appendix B

<u>Figure No.</u>	<u>Title</u>	<u>Page No.</u>	<u>Figure No.</u>
B1	Mark II, Standard Tire, Dry Runway (Test 19A).....	3	B29
B2	Mark III, Standard Tire, Dry Runway (Test 2A)	4	
B3	Mark III, Standard Tire, Dry Runway (Test 2B)	5	B30
B4	Mark III, Standard Tire, Dry Runway (Test 14A)	6	
B5	Mark III, Standard Tire, Dry Runway (Test 15B)	7	B31
B6	Mark II, BFG Tire, Dry Runway (Test 37A)	8	B32
B7	Mark III, BFG Tire, Dry Runway (Test 47A)	9	B33
B8	Mark II, Standard Tire, Wet Runway (Test 10A)	10	B34
B9	Mark II, Standard Tire, Wet Runway (Test 24A)	12	B35
B10	Mark II, Worn Standard Tire, Wet Runway (Test 51B)	12	B36
B11	Mark II, Worn Standard Tire, Wet Runway (Test 51A)	13	B37
B12	Mark II, Worn Standard Tire, Wet Runway (Test 51C)	14	B38
B13	Mark II, Worn Standard Tire, Wet Runway (Test 67A)	16	B39
B14	Mark II, Worn Standard Tire, Wet Runway (Test 67B)	17	B40
B15	Mark II, Worn Standard Tire, Wet Runway (Test 67C)	18	B41
B16	Mark II, Standard Tire, Wet Runway (Test 48A)	19	B42
B17	Mark II, Standard Tire, Wet Runway (Test 48B)	21	B43
B18	Mark III, Standard Tire, Wet Runway (Test 13B)	22	B44
B19	Mark III, Standard Tire, Wet Runway (Test 41A)	24	B45
B20	Mark III, Standard Tire, Wet Runway (Test 42A)	25	B46
B21	Mark III, Standard Tire, Wet Runway (Test 42B)	26	B47
B22	Mark III, Standard Tire, Wet Runway (Test 43B)	27	B48
B23	Unintended Brake Pressure from Inflight Rudder Operation	28	B49
B24	Mark III, Standard Tire, Wet Runway (Test 43A)	29	B50
B25	Mark III, Standard Tire, Wet Runway (Test 44A)	30	B51
B26	Mark III, Standard Tire, Wet Runway, No Flaps (Test 45A)	31	B52
B27	Mark III, Standard Tire, Wet Runway, No Flaps (Test 45B)	32	B53
B28	Mark III, Standard Tire, Wet Runway, No Flaps (Test 45C)	33	B54
			B55
			B56
			B57
			B58

List of illustrations

Appendix B

<u>Page No.</u>	<u>Figure No.</u>	<u>Title</u>	<u>Page No.</u>
3	B29	Mark III, Standard Tire, Wet Runway, Half Flaps (Test 46A)	35
4	B30	Mark III, Standard Tire, Wet Runway, Half Flaps (Test 46B)	37
5	B31	Mark III, Standard Tire, Wet Runway, Half Flaps (Test 46C)	39
6	B32	Mark II, Sommers Tire, Wet Runway (Test 27B)	41
7	B33	Mark III, Sommers Tire, Wet Runway (Test 28B)	43
8	B34	Mark III, Sommers Tire, Wet Runway (Test 55A)	45
9	B35	Mark III, Sommers Tire, Wet Runway (Test 55B)	46
10	B36	Mark II, Sommers Tire, Wet Runway (Test 56A)	47
11	B37	Mark II, Sommers Tire, Wet Runway (Test 68B)	48
12	B38	Mark II, Sommers Tire, Wet Runway (Test 61A)	49
12	B39	Mark II, Sommers Tire, Wet Runway (Test 61B)	51
12	B40	Mark II, Sommers Tire, Wet Runway (Test 61C)	53
13	B41	Typical After Liftoff Free Wheel Spindown	55
13	B42	Mark II, Sommers Tire, Wet Runway (Test 60A)	56
14	B43	Mark II, Worn Sommers Tire, Wet Runway (Test 58A)	59
16	B44	Mark II, Worn Sommers Tire, Wet Runway (Test 58B)	60
16	B45	Mark II, Worn Sommers Tire, Wet Runway (Test 58C)	61
17	B46	Mark II, BFG Tire, Wet Runway (Test 32A)	62
17	B47	Mark II, BFG Tire, Wet Runway (Test 36A)	65
18	B48	Mark II, USAF Tire, Wet Runway (Test 23B)	66
19	B49	Mark III, USAF Tire, Wet Runway (Test 30B)	68
21	B50	Mark II, Dunlop Tire, Wet Runway (Test 34B)	70
22	B51	Mark II, Dunlop Tire, Wet Runway (Test 33A)	72
24	B52	Mark II, Dunlop Tire, Wet Runway (Test 33B)	73
25	B53	Mark II, Dunlop Tire, Wet Runway (Test 34C)	74
26	B54	Mark II, Dunlop Tire, Wet Runway (Test 62A)	75
27	B55	Mark II, Dunlop Tire, Wet Runway (Test 63A)	76
28	B56	Mark II, Dunlop Tire, Wet Runway (Test 63B)	77
29	B57	Mark II, Dunlop Tire, Wet Runway (Test 34A)	78
30	B58	Mark III, Dunlop Tire, Wet Runway (Test 39A)	79

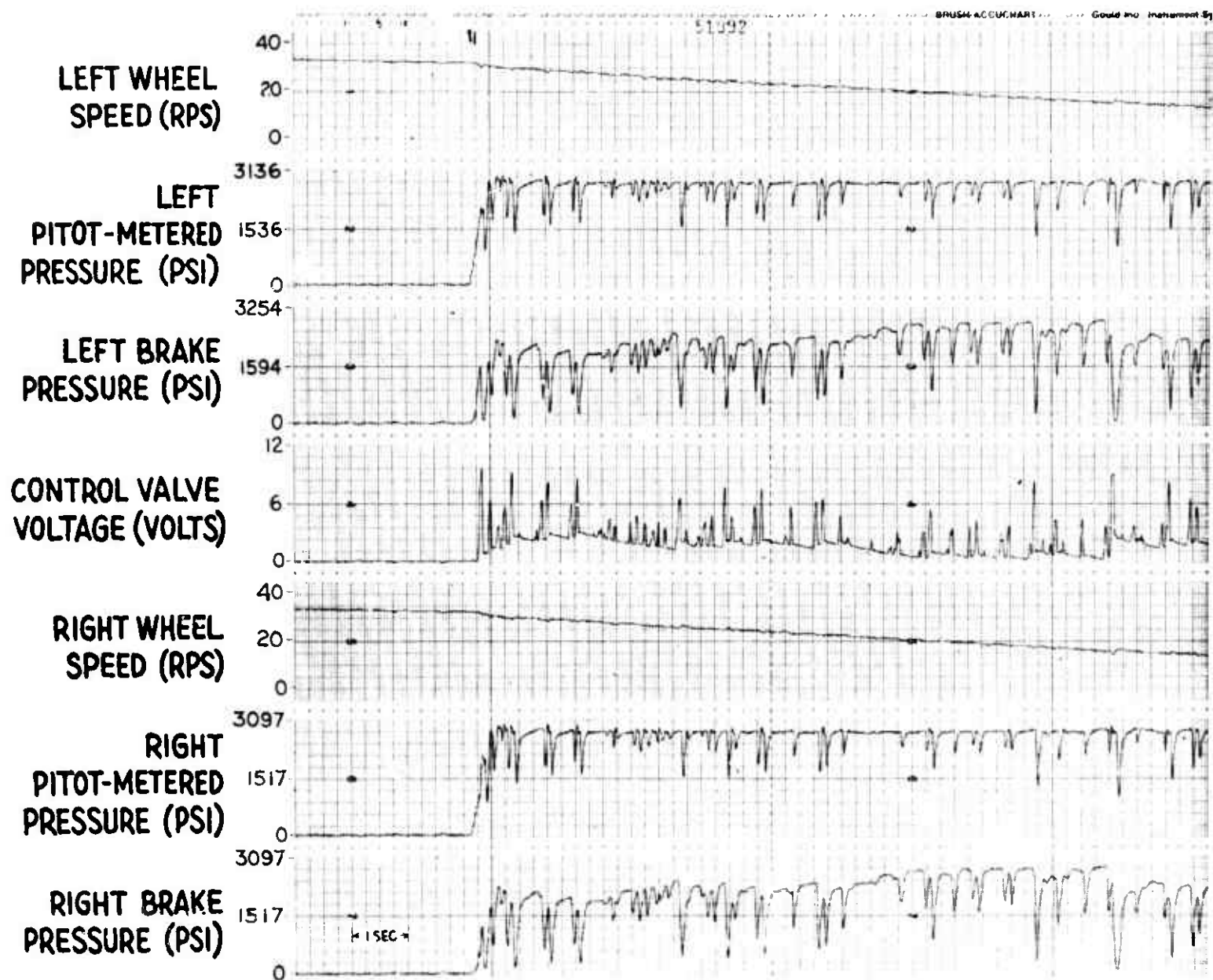


Figure B1

51992

BRUSH ACCUCHART

Gould Inc. Instrument Systems Division

51993



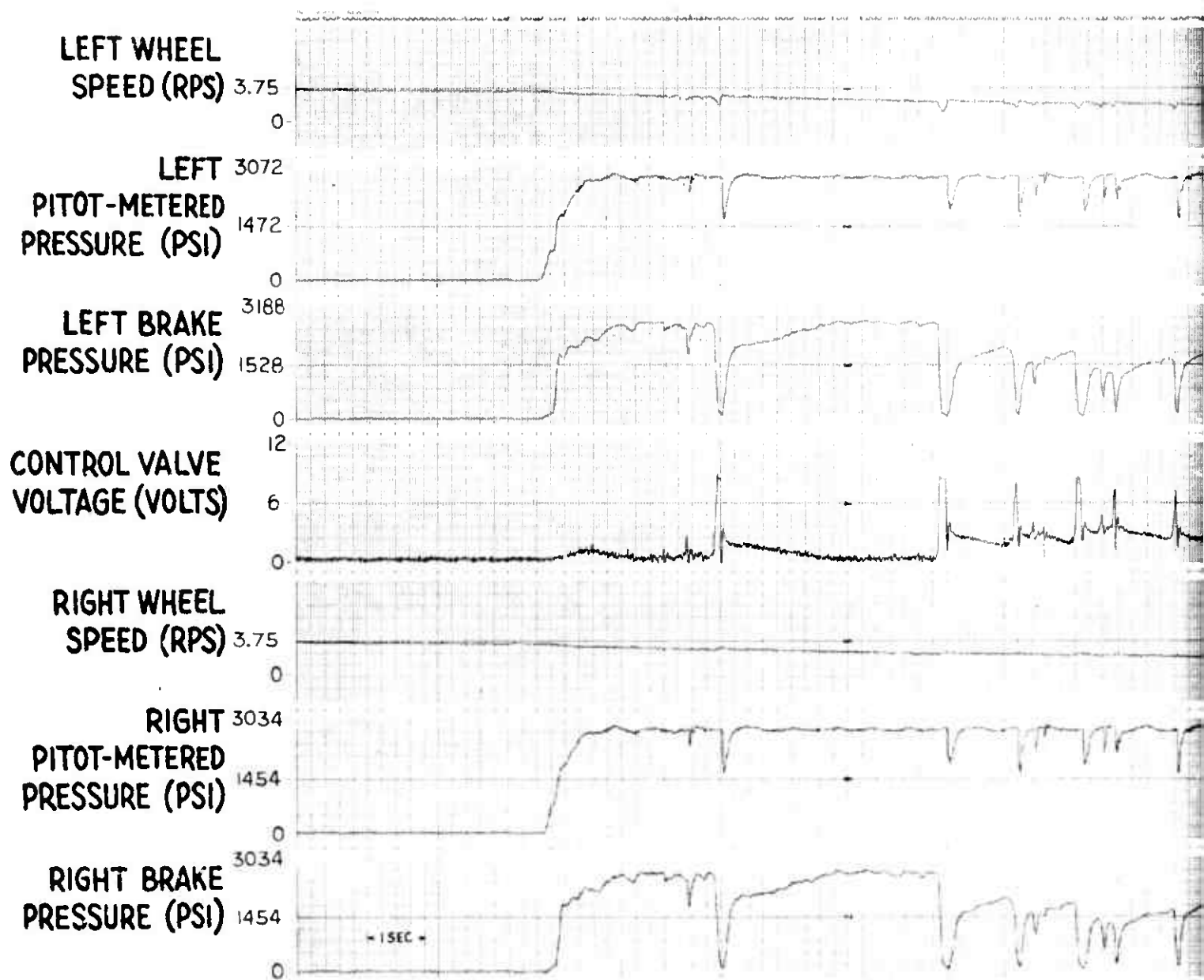


Figure 82



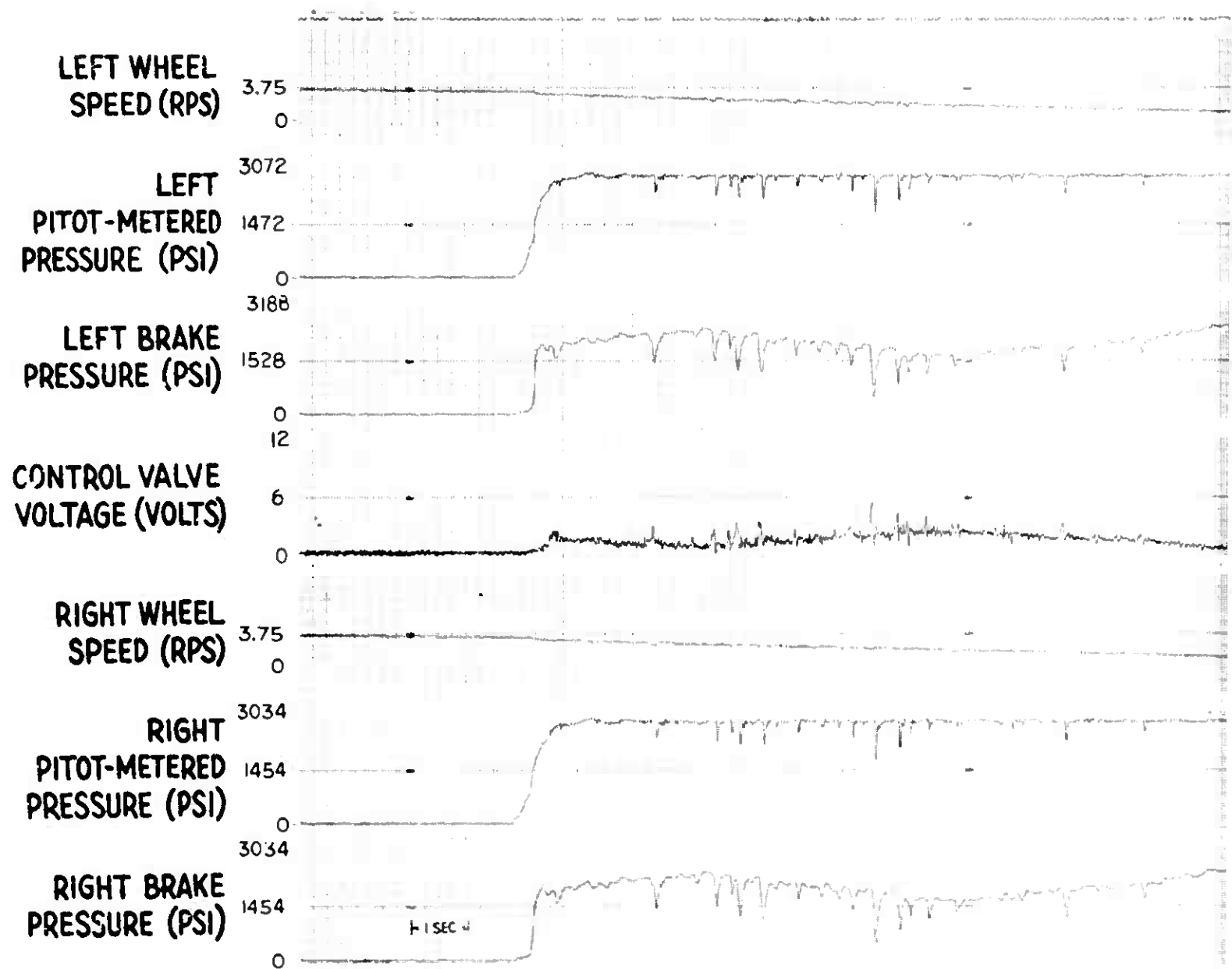
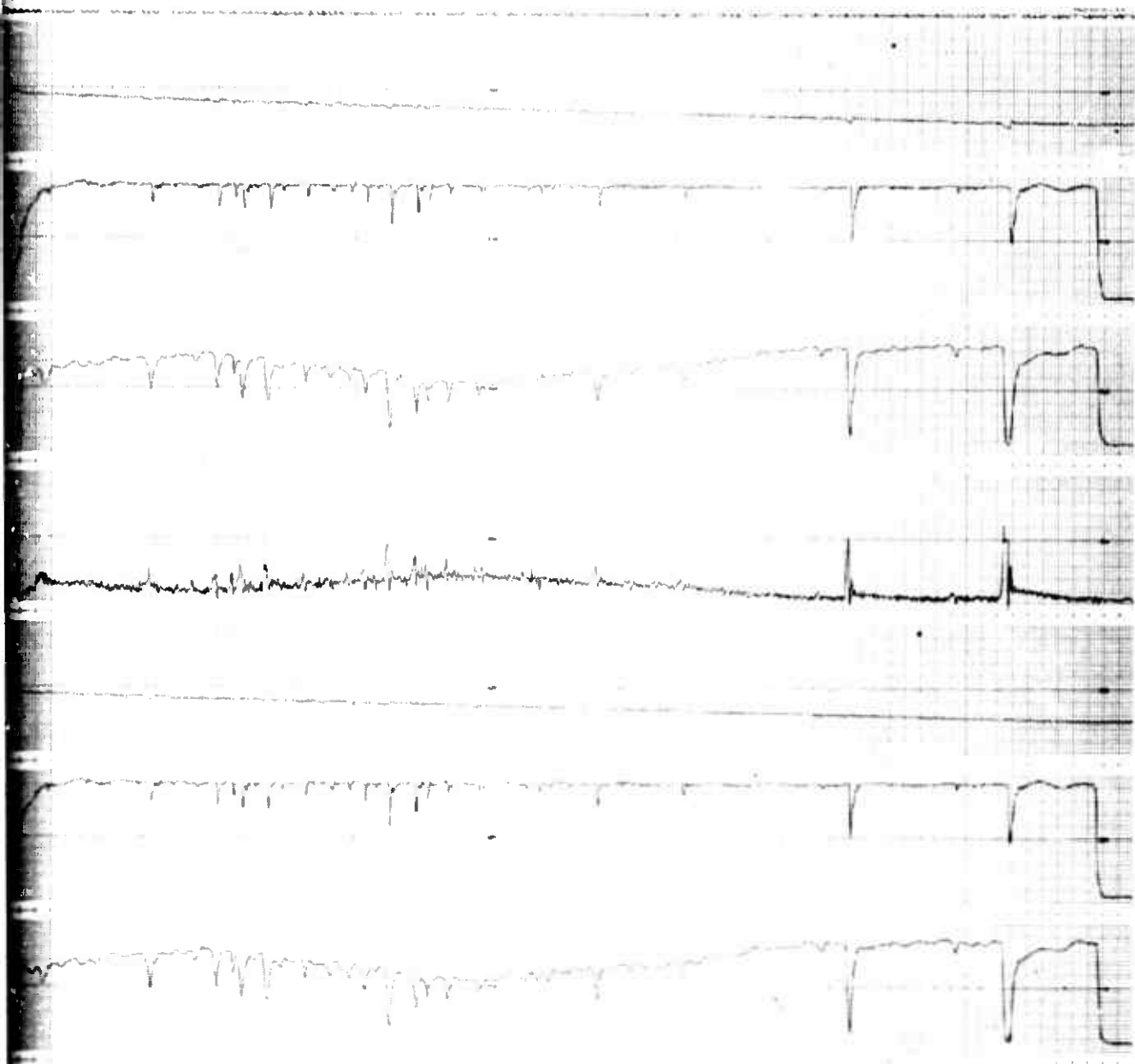


Figure B 3



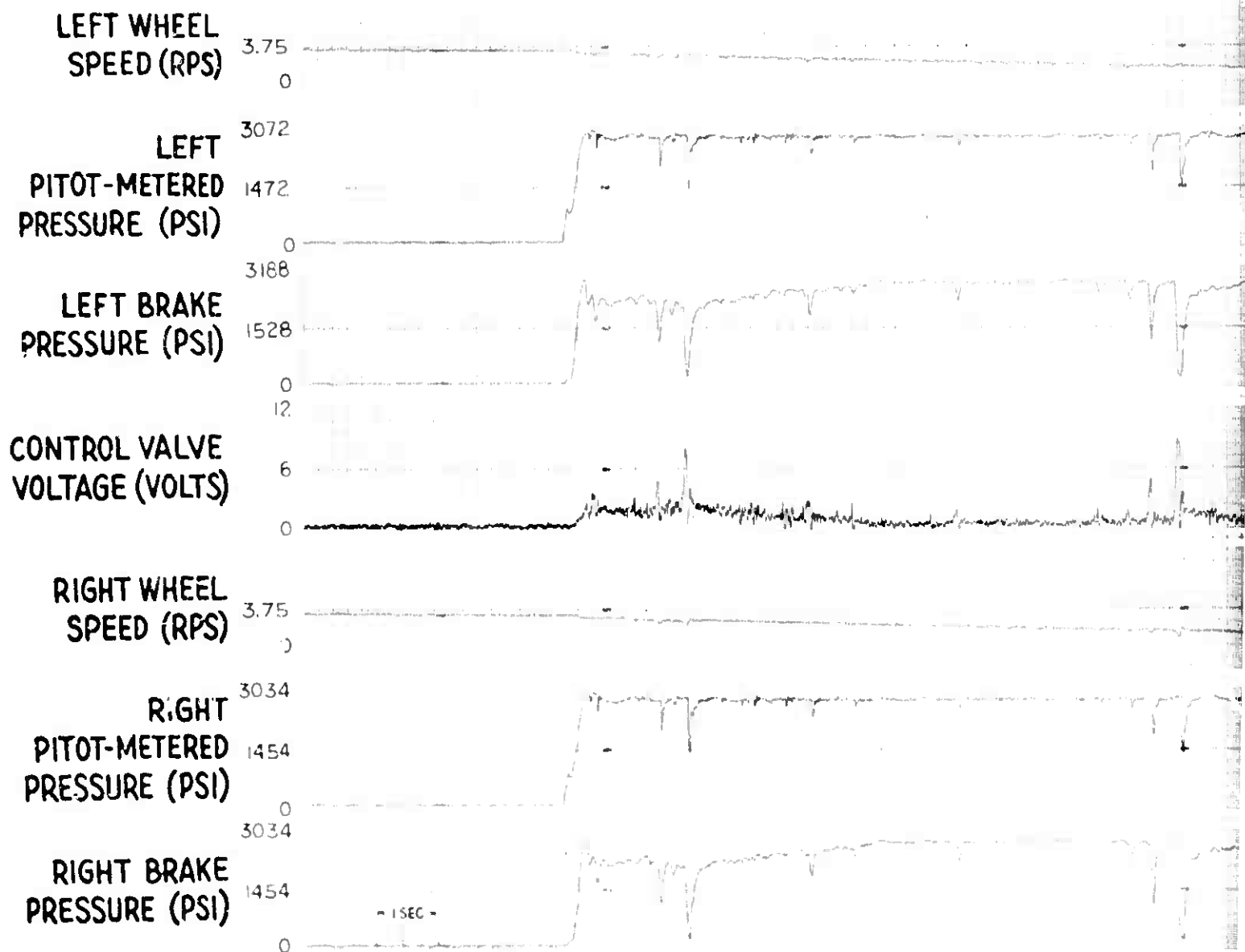
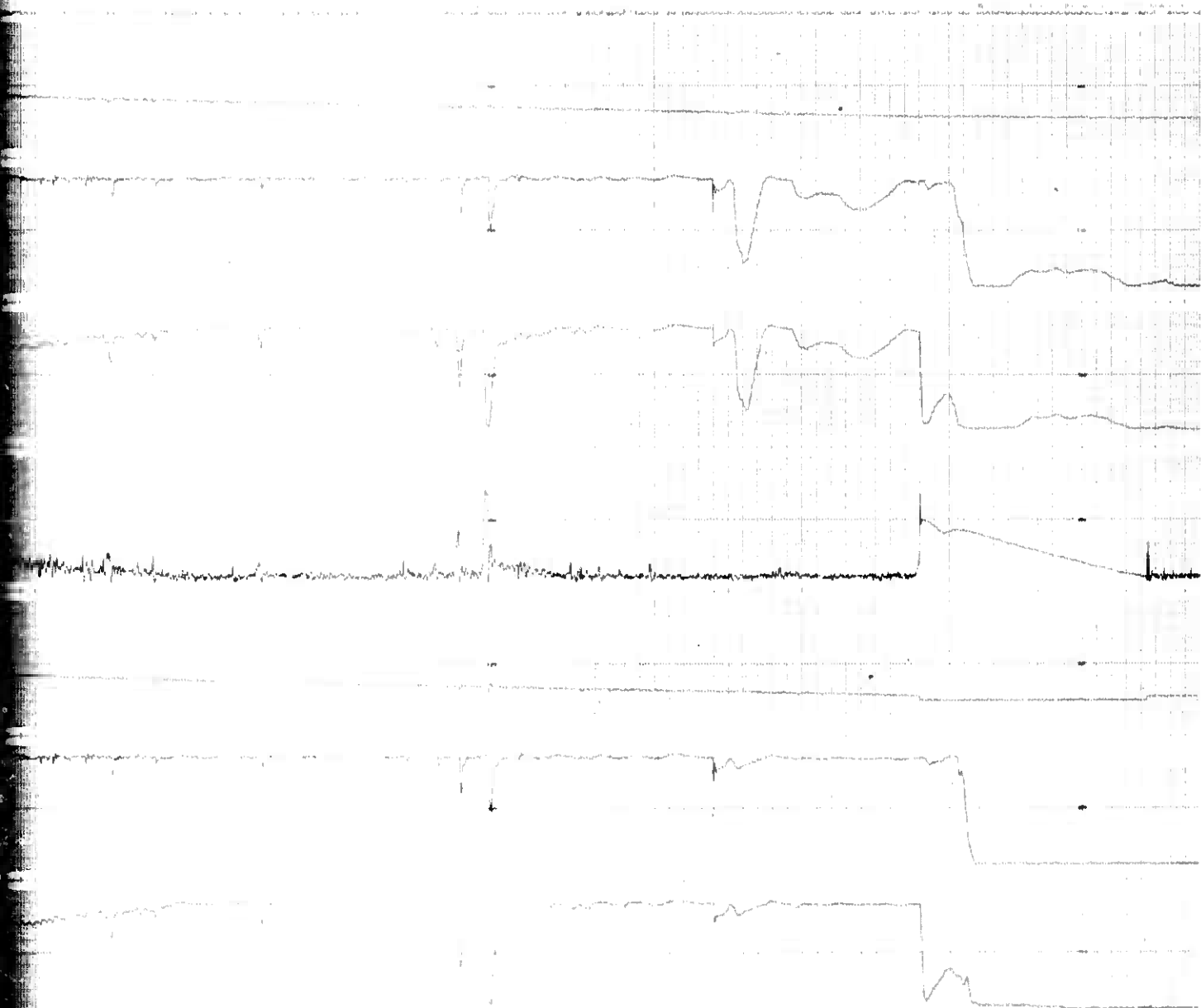


Figure B4



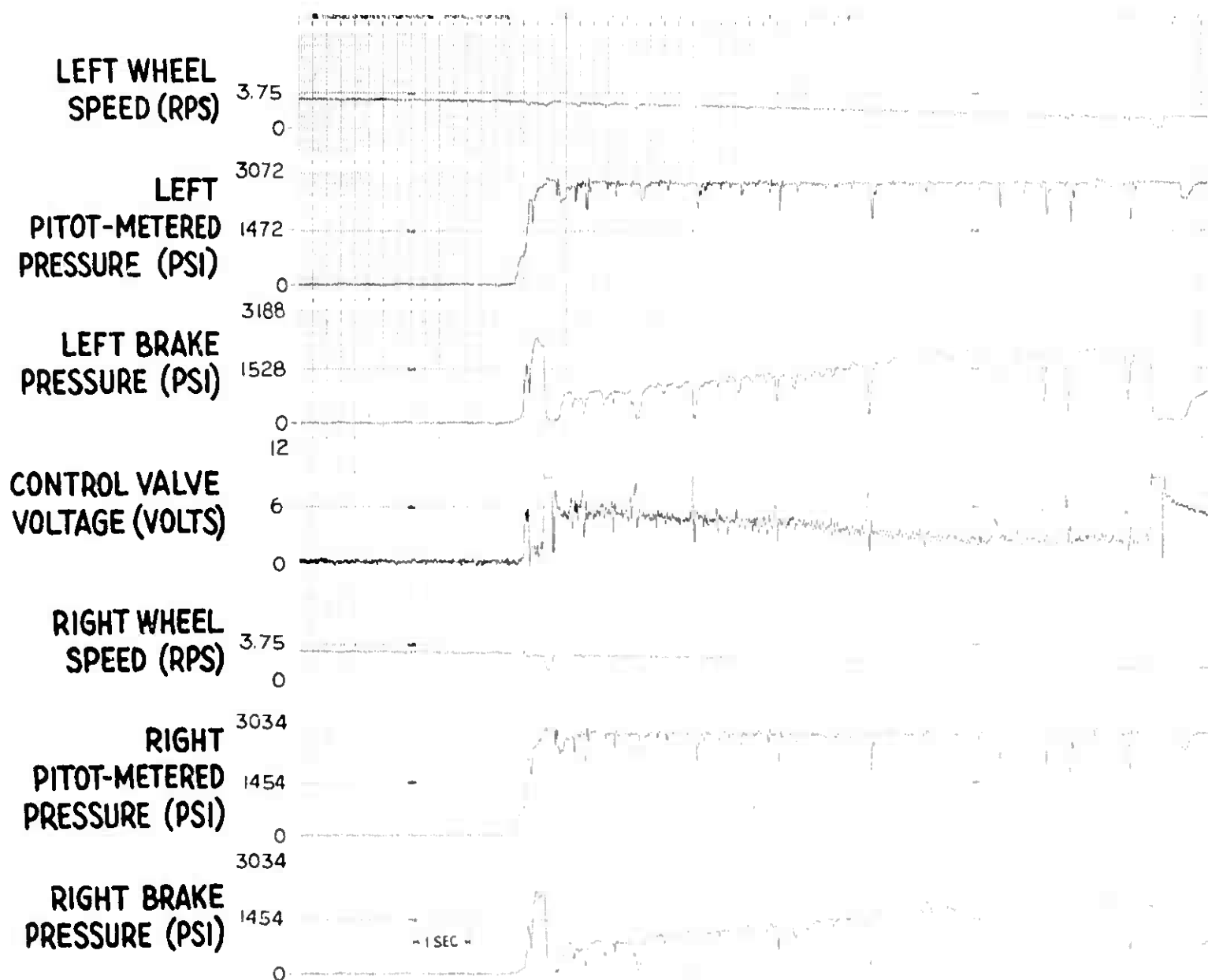
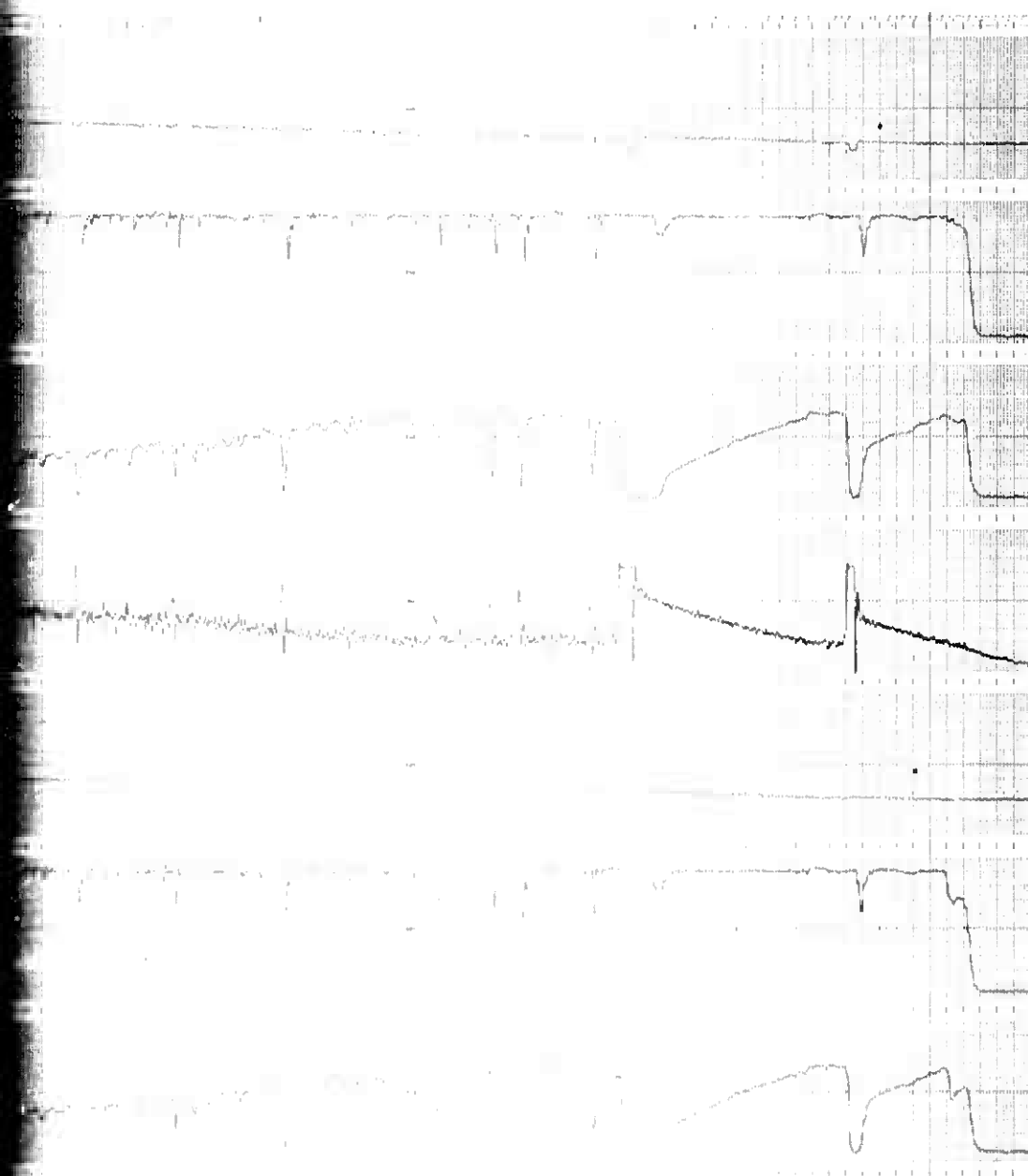


Figure B5



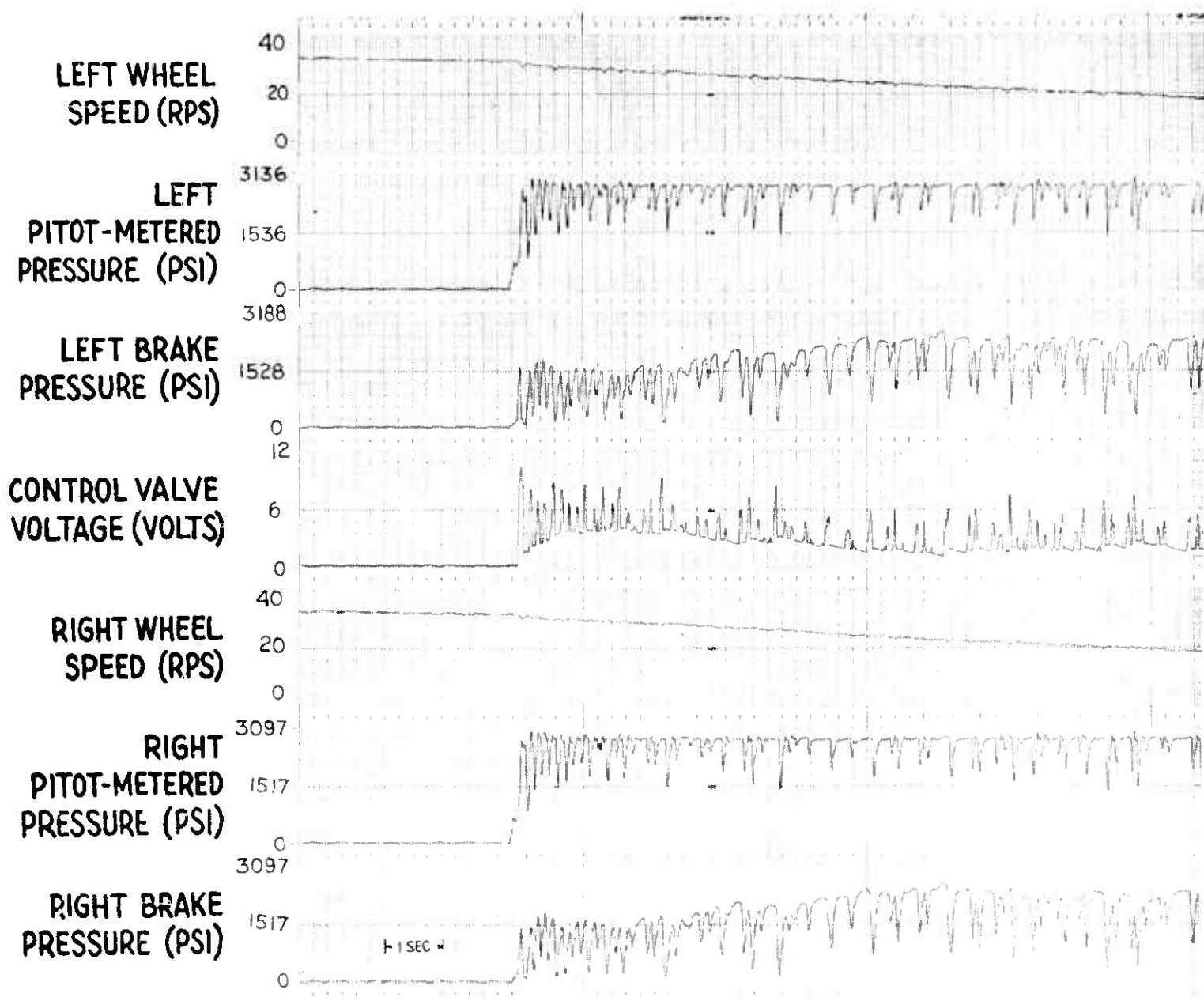
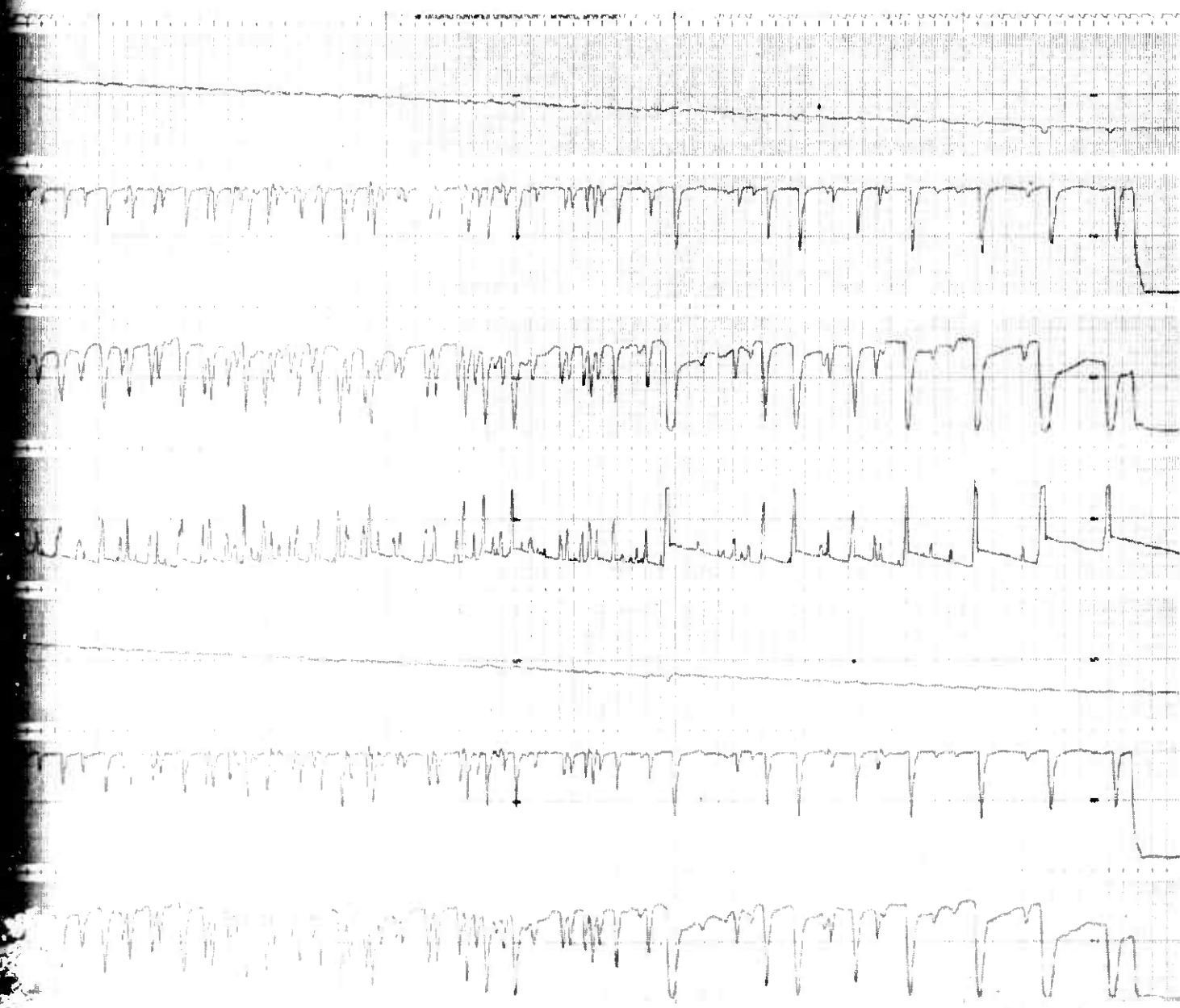


Figure 86



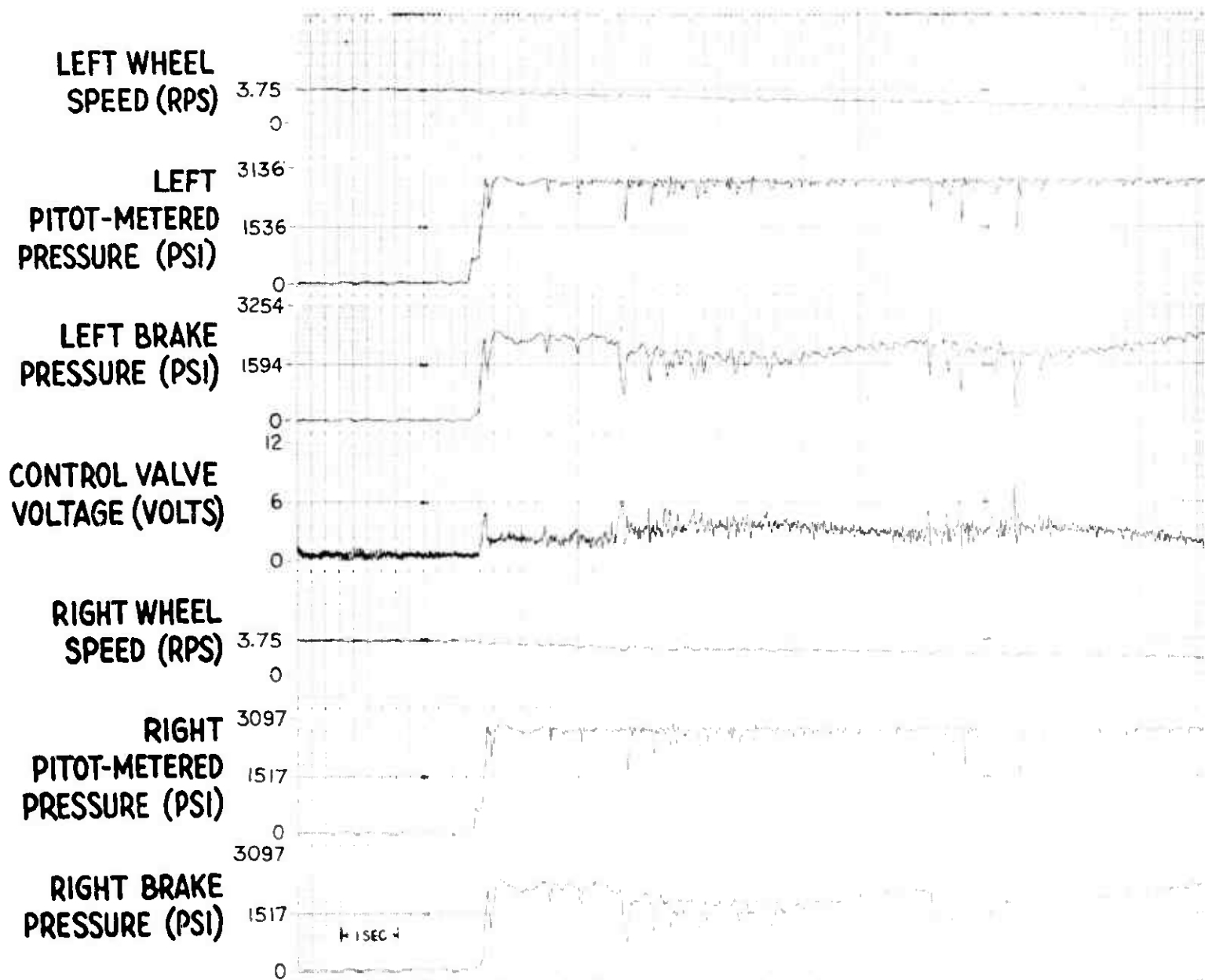
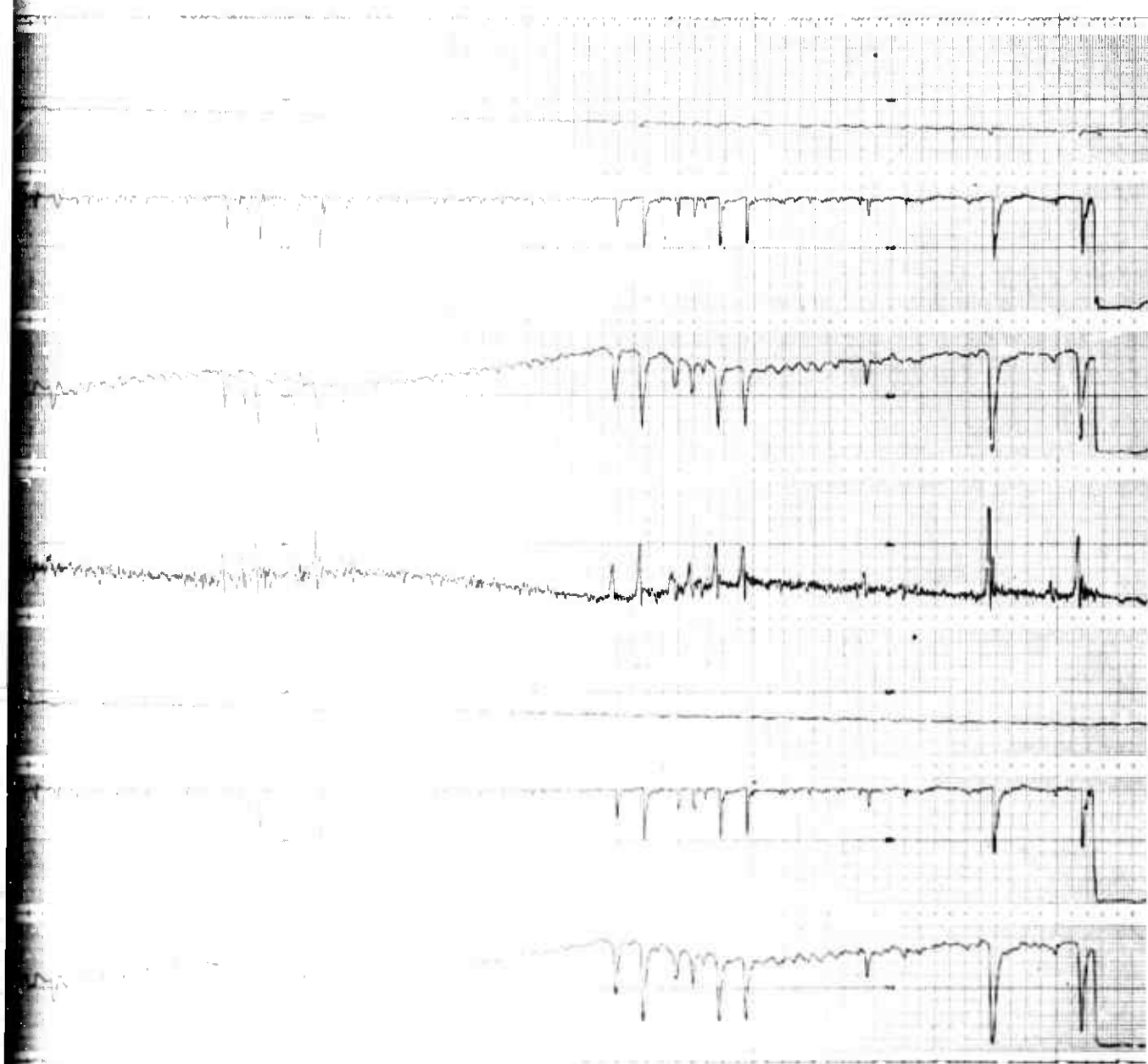


Figure B 7



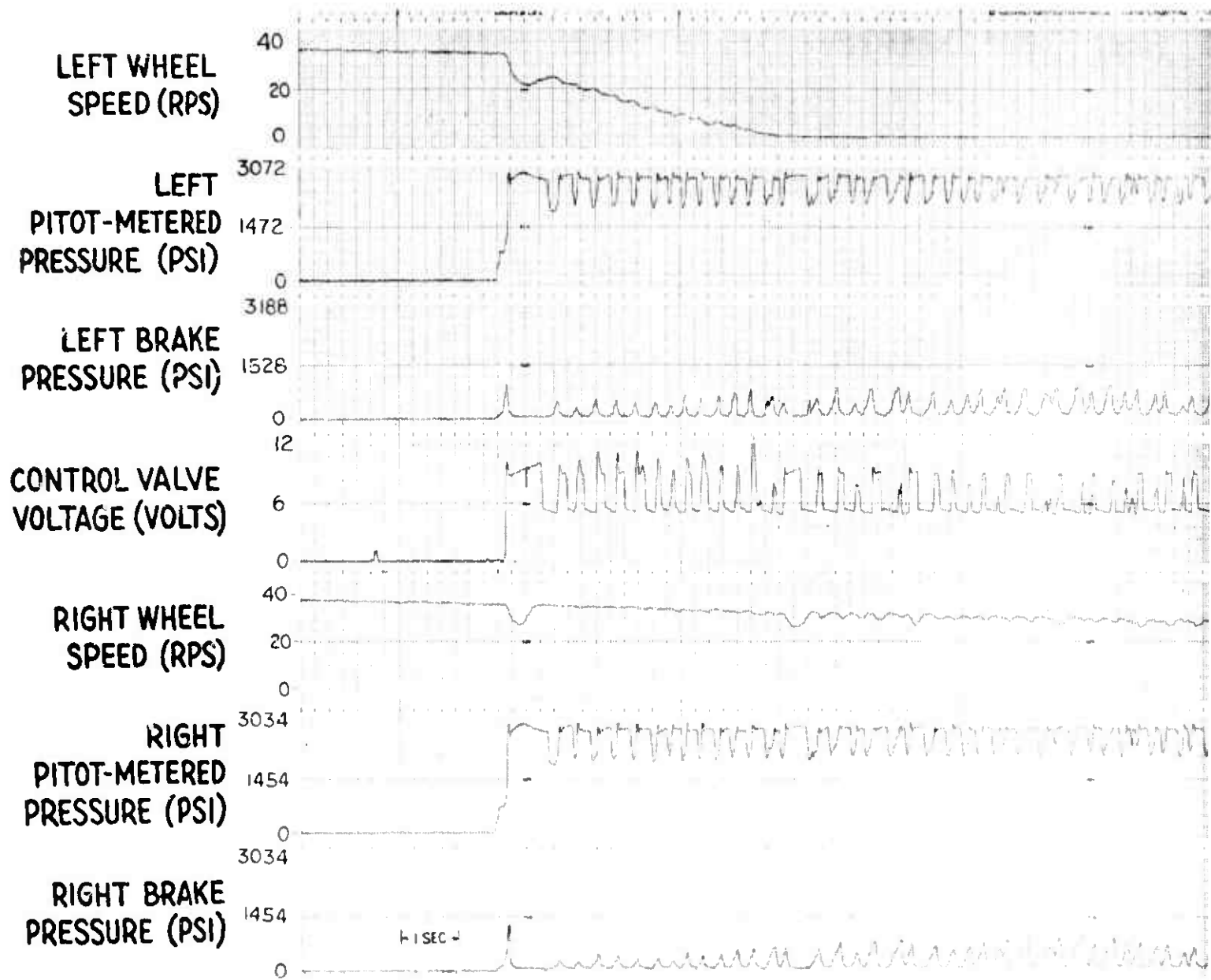
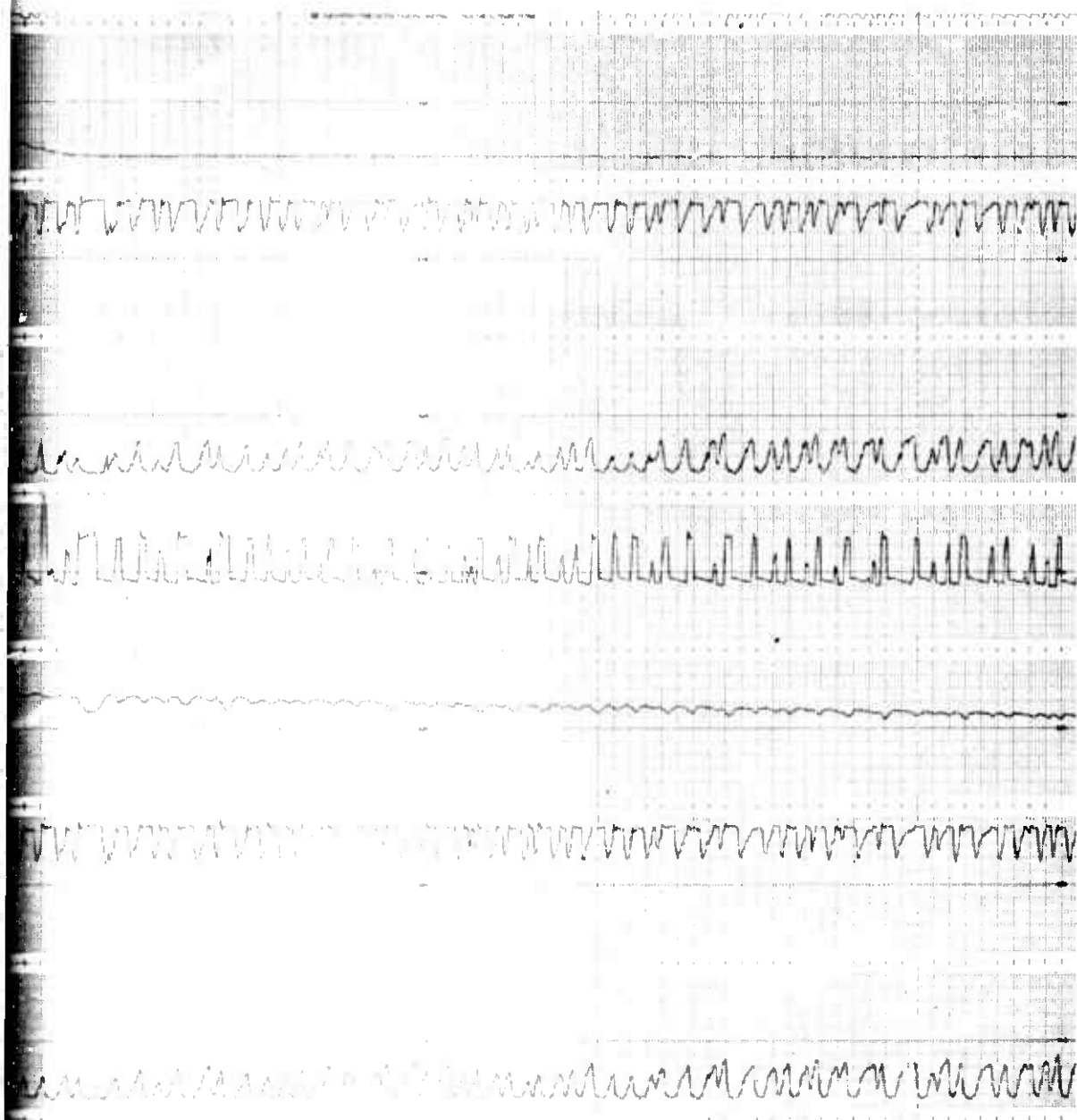


Figure B8



LEFT WHEEL
SPEED (RPS)

40
20
0

LEFT
PITOT-METERED
PRESSURE (PSI)

3072
1472
0
3188

LEFT BRAKE
PRESSURE (PSI)

1528
0
12

CONTROL VALVE
VOLTAGE (VOLTS)

5
0

RIGHT WHEEL
SPEED (RPS)

40
20
0

RIGHT
PITOT-METERED
PRESSURE (PSI)

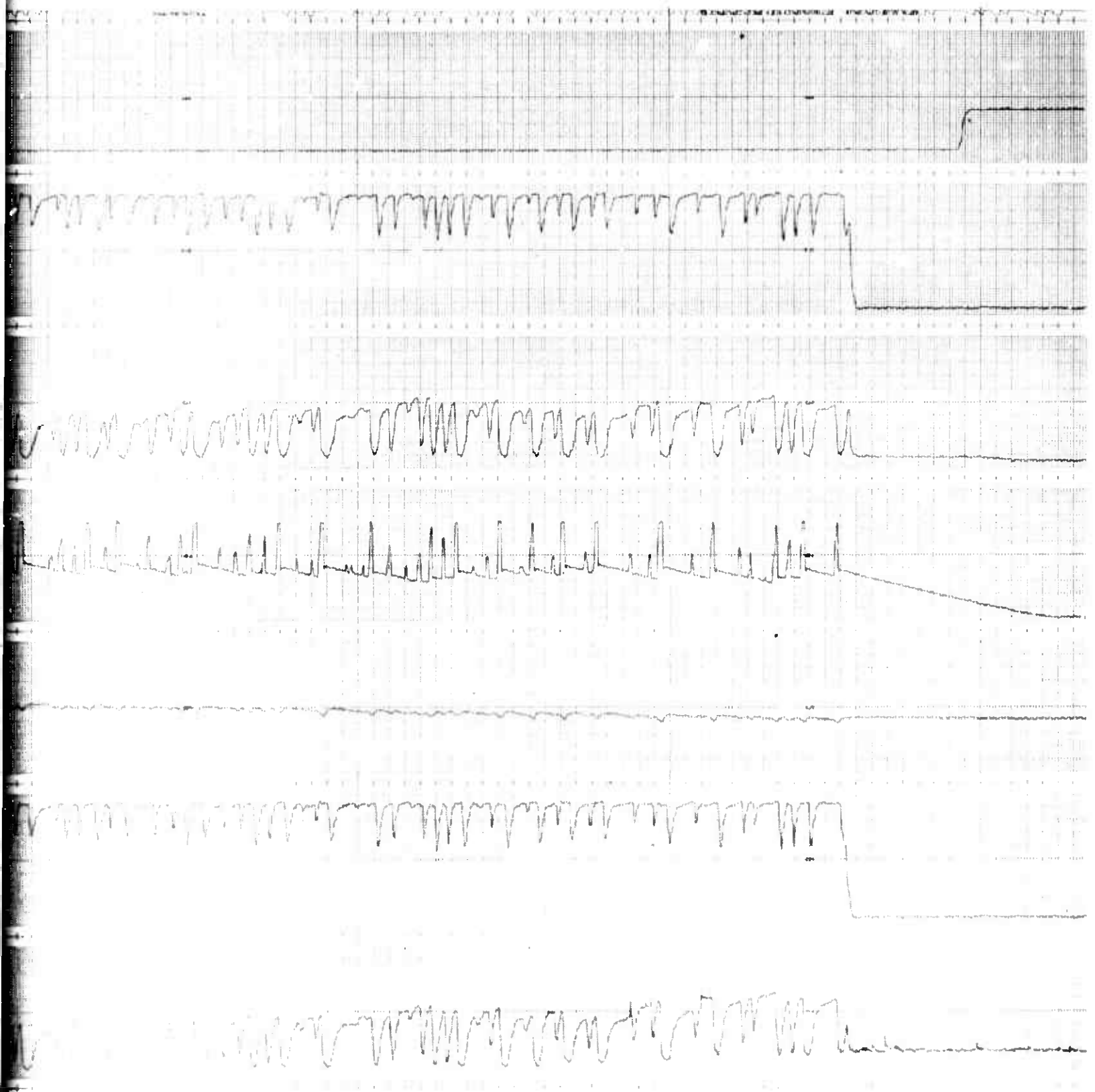
3034
1454
0
3034

RIGHT BRAKE
PRESSURE (PSI)

1454
0

1 SEC

Figure B8
(Concluded)



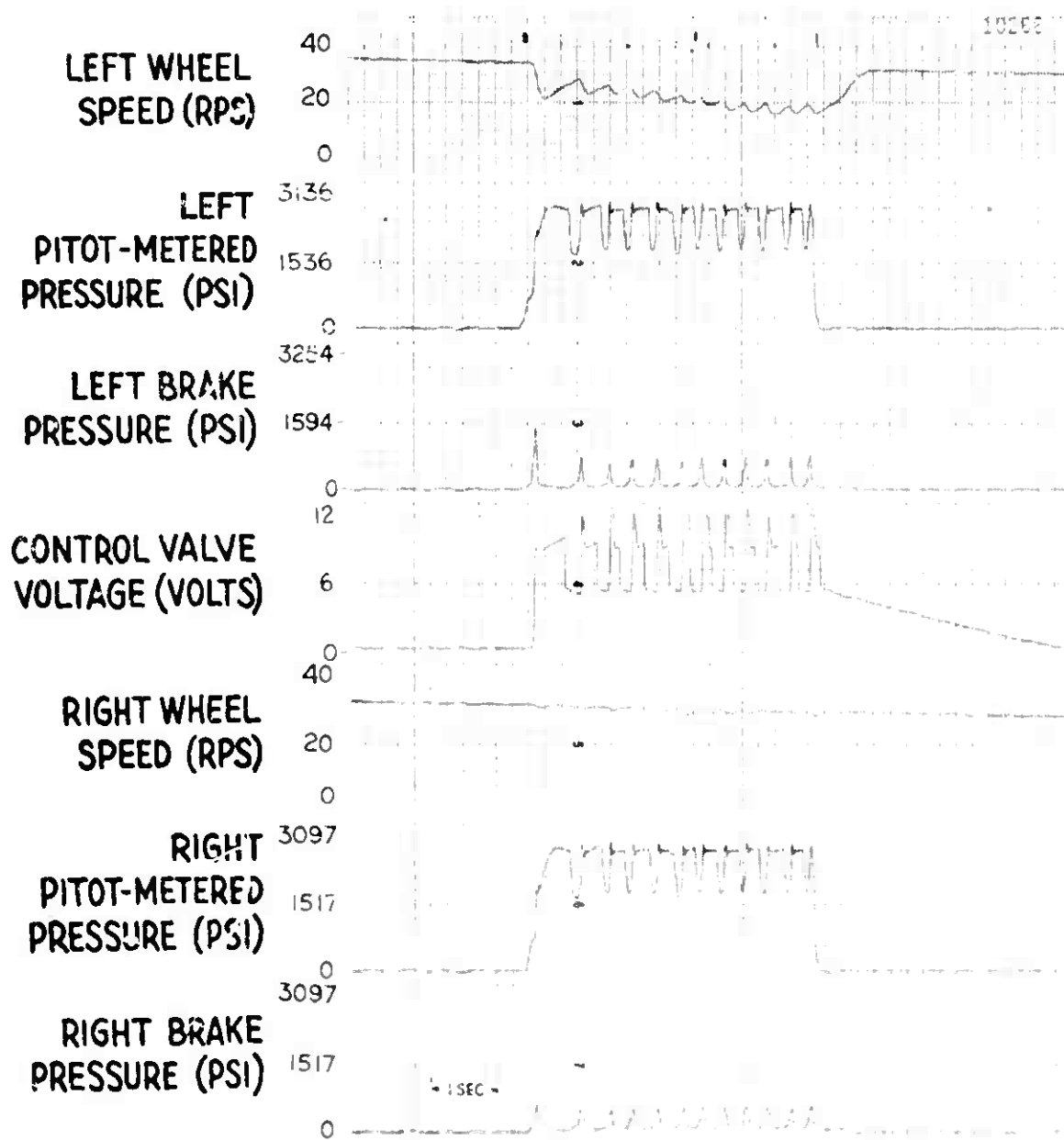


Figure 89

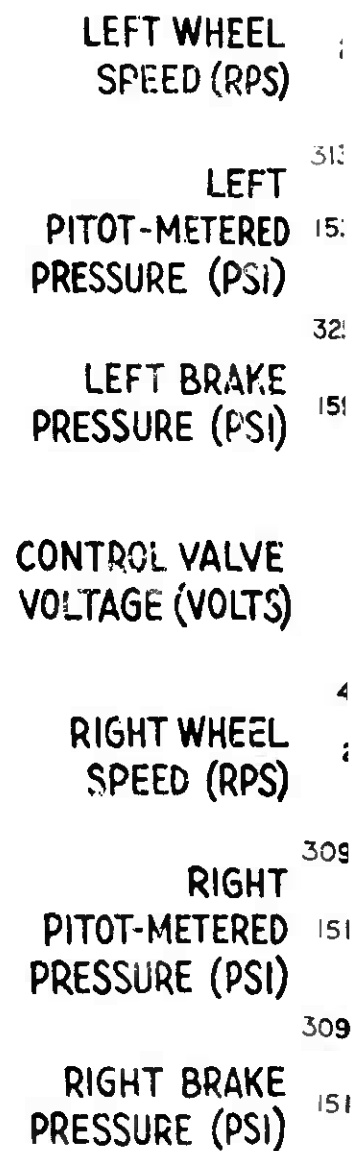


Figure B 10

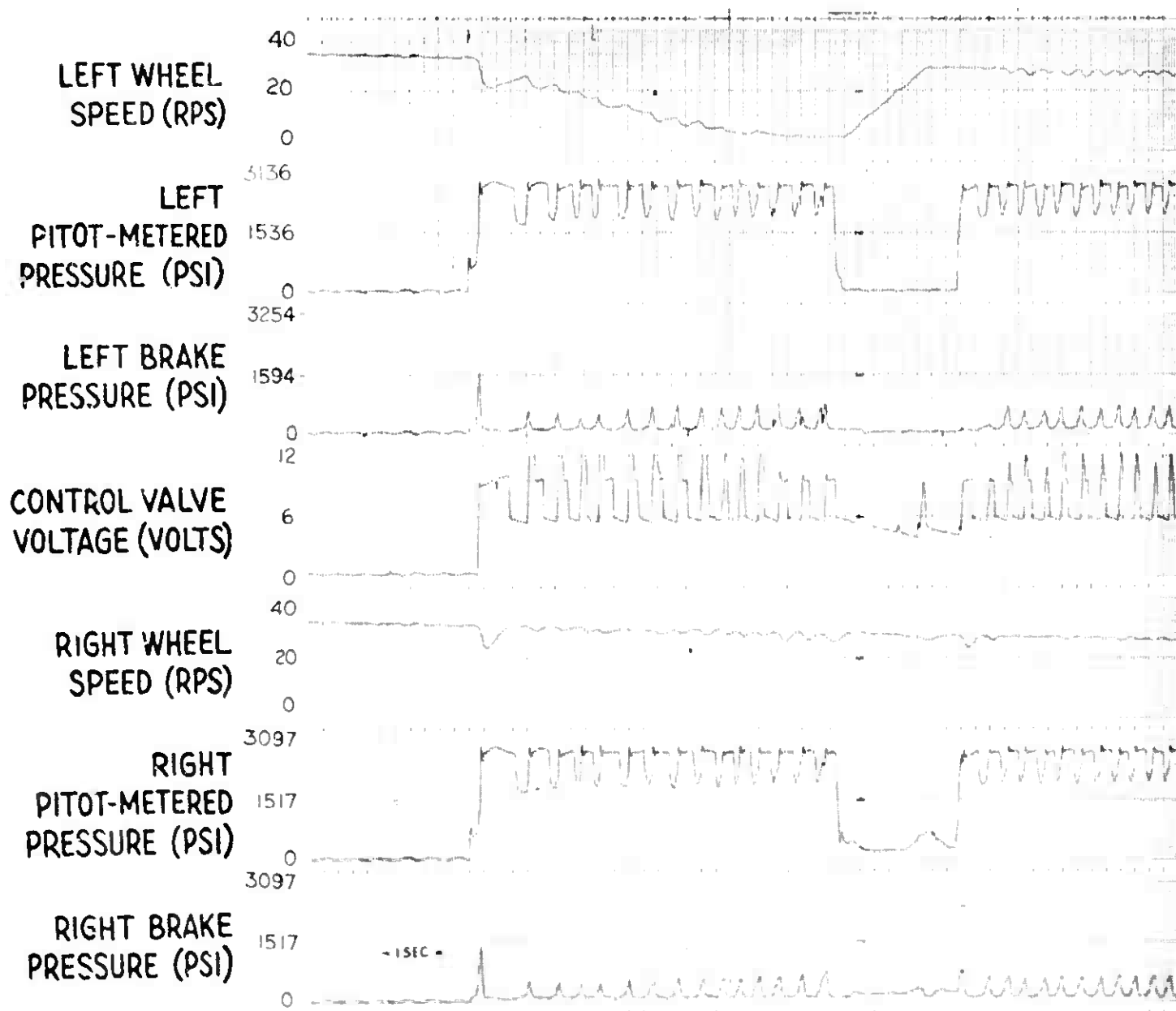


Figure B 10

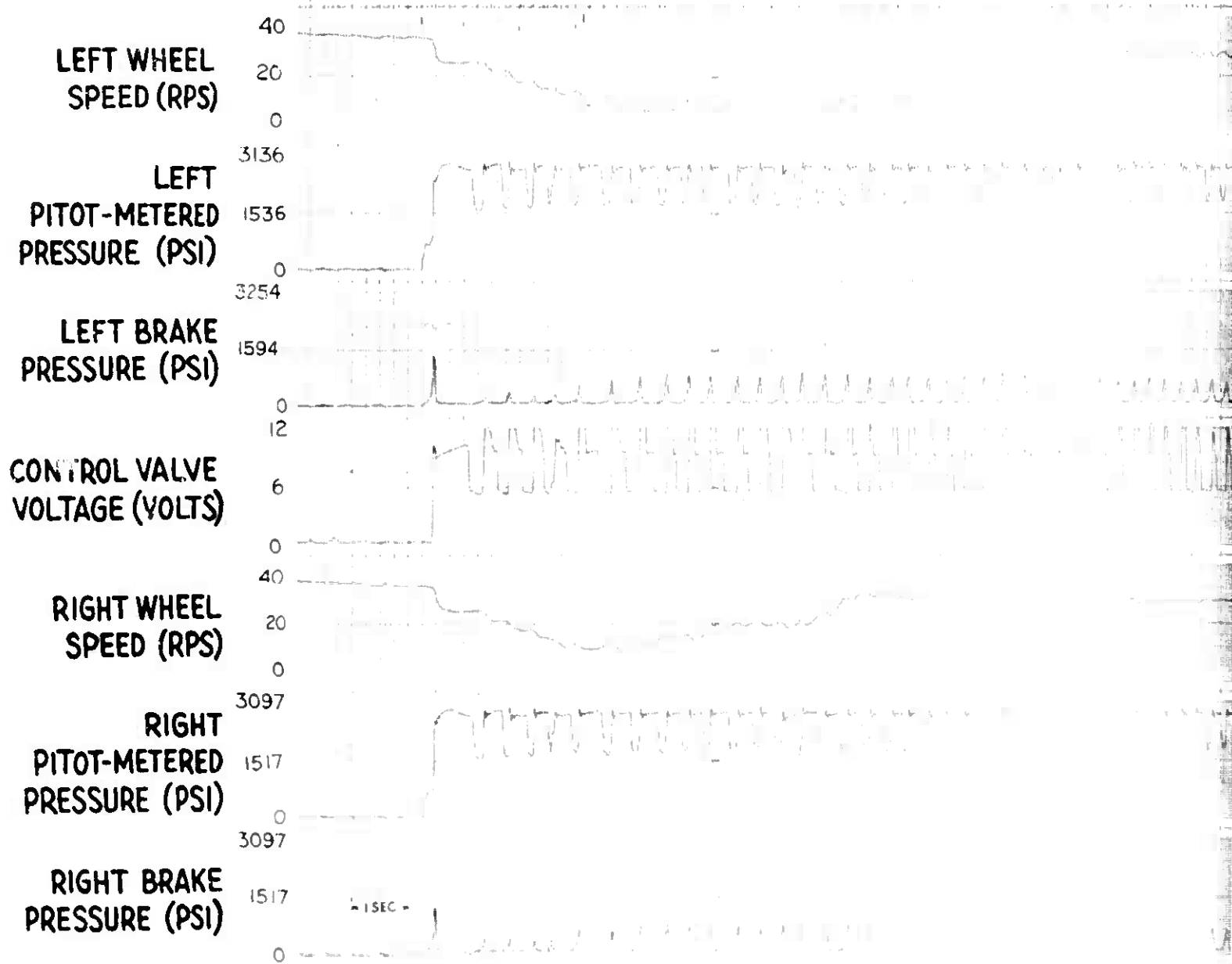
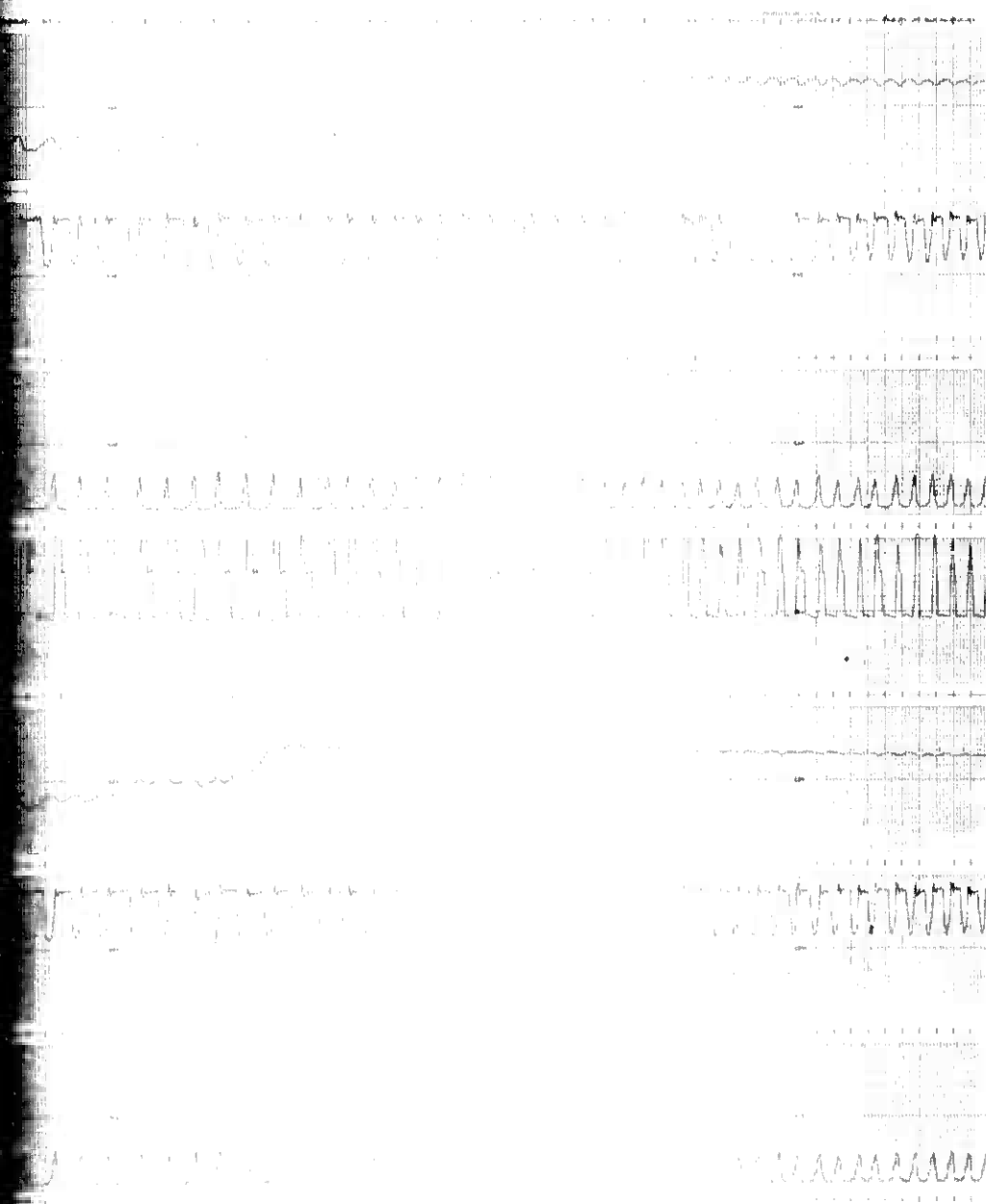


Figure B.11



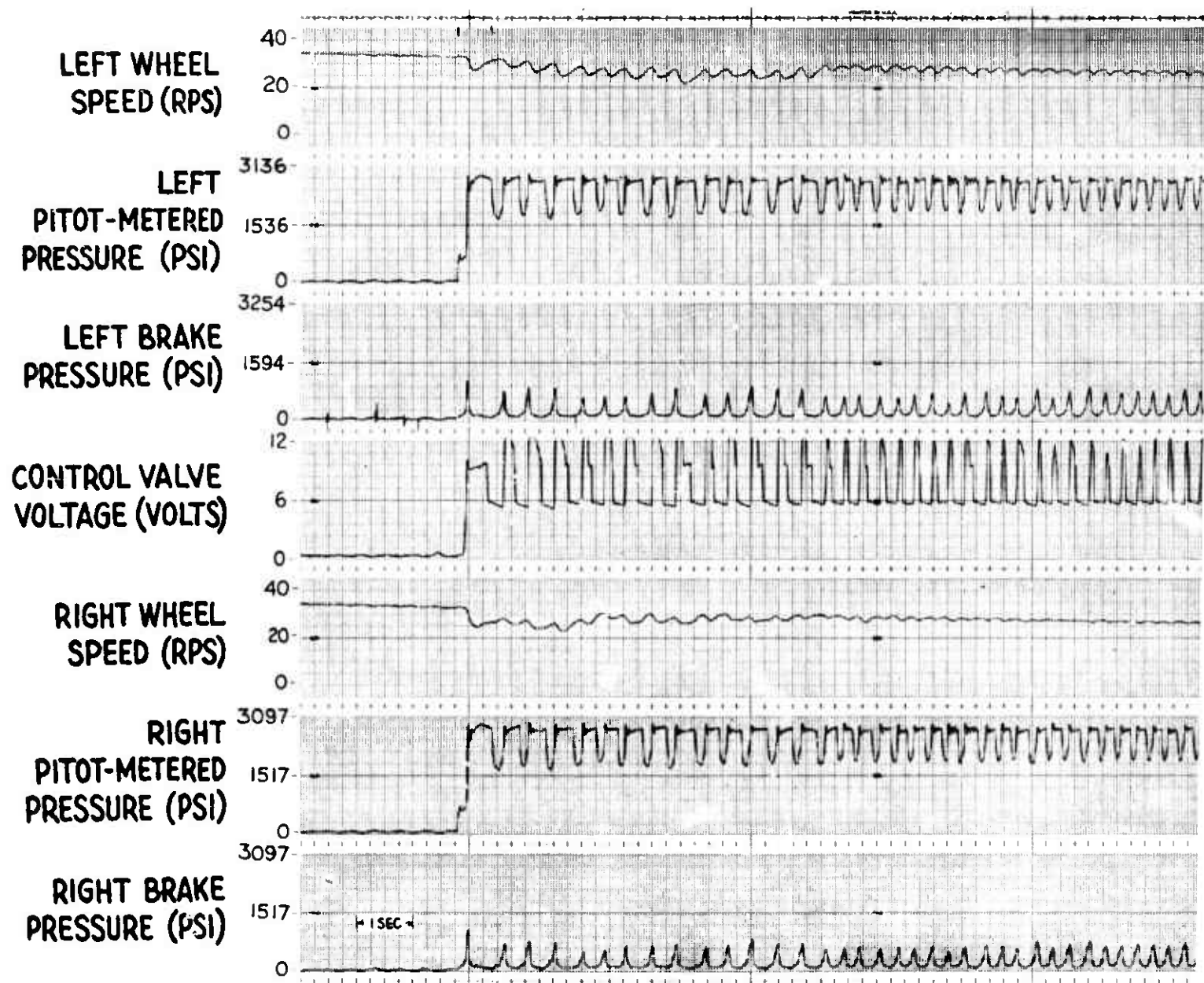
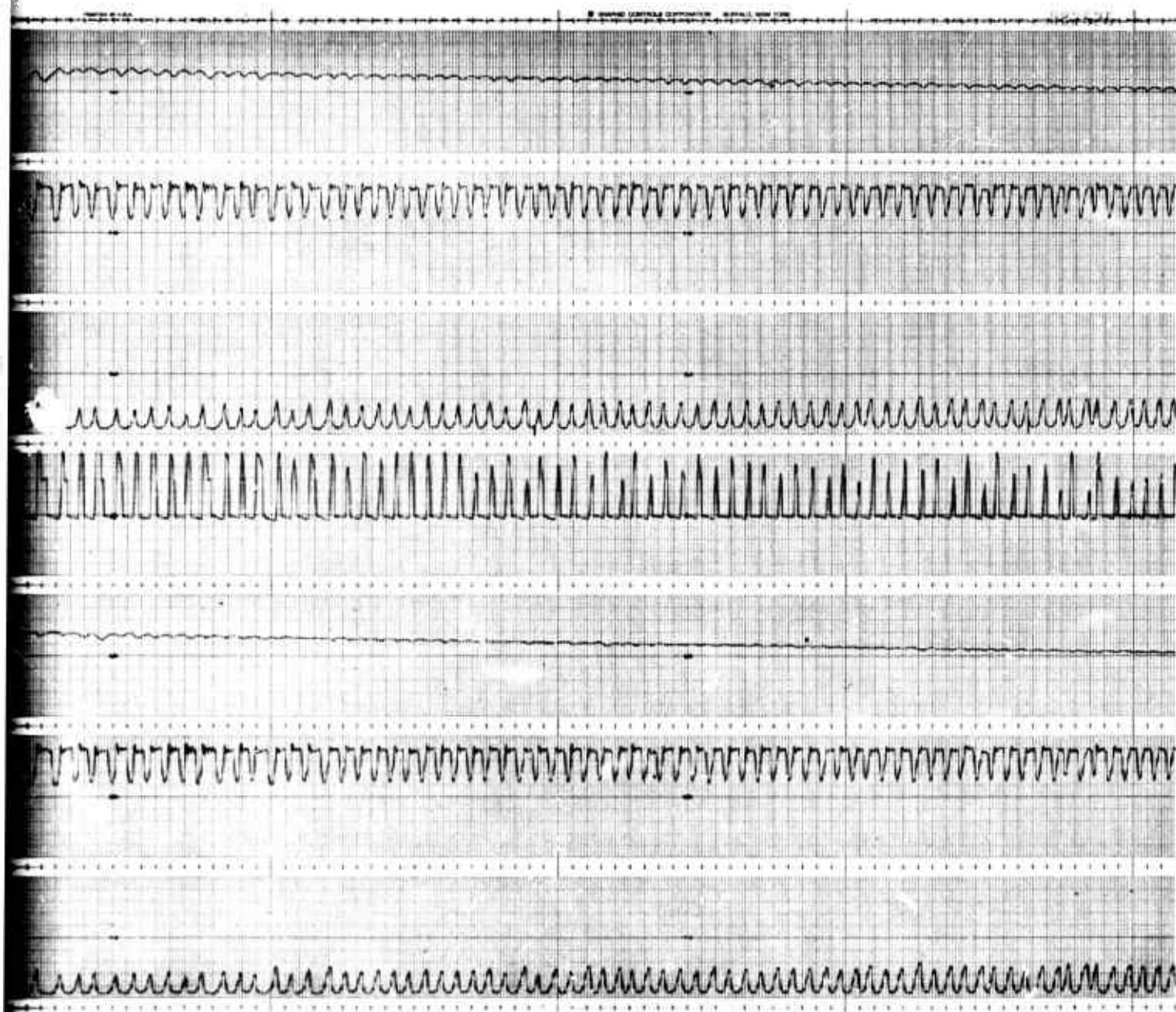


Figure B12



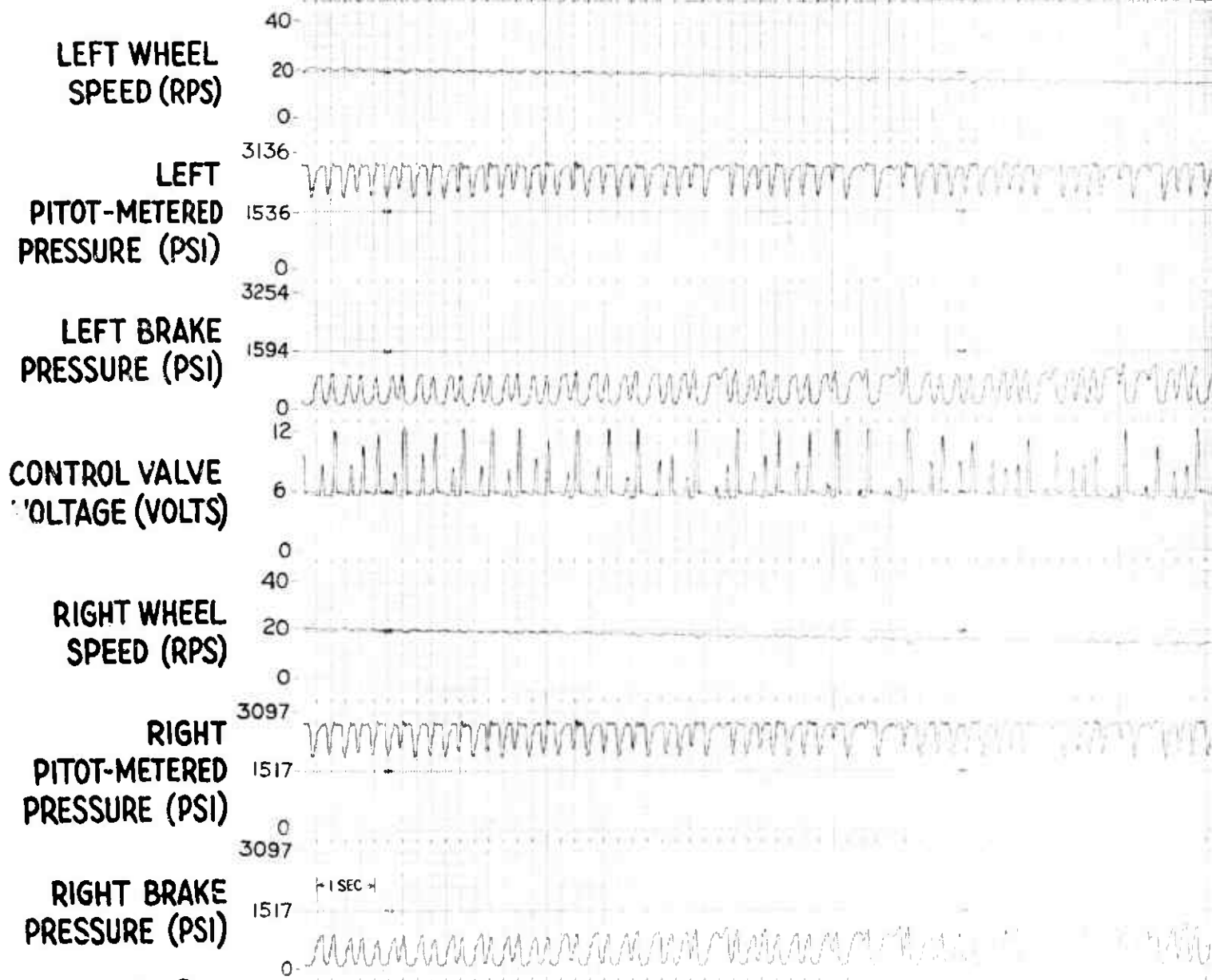
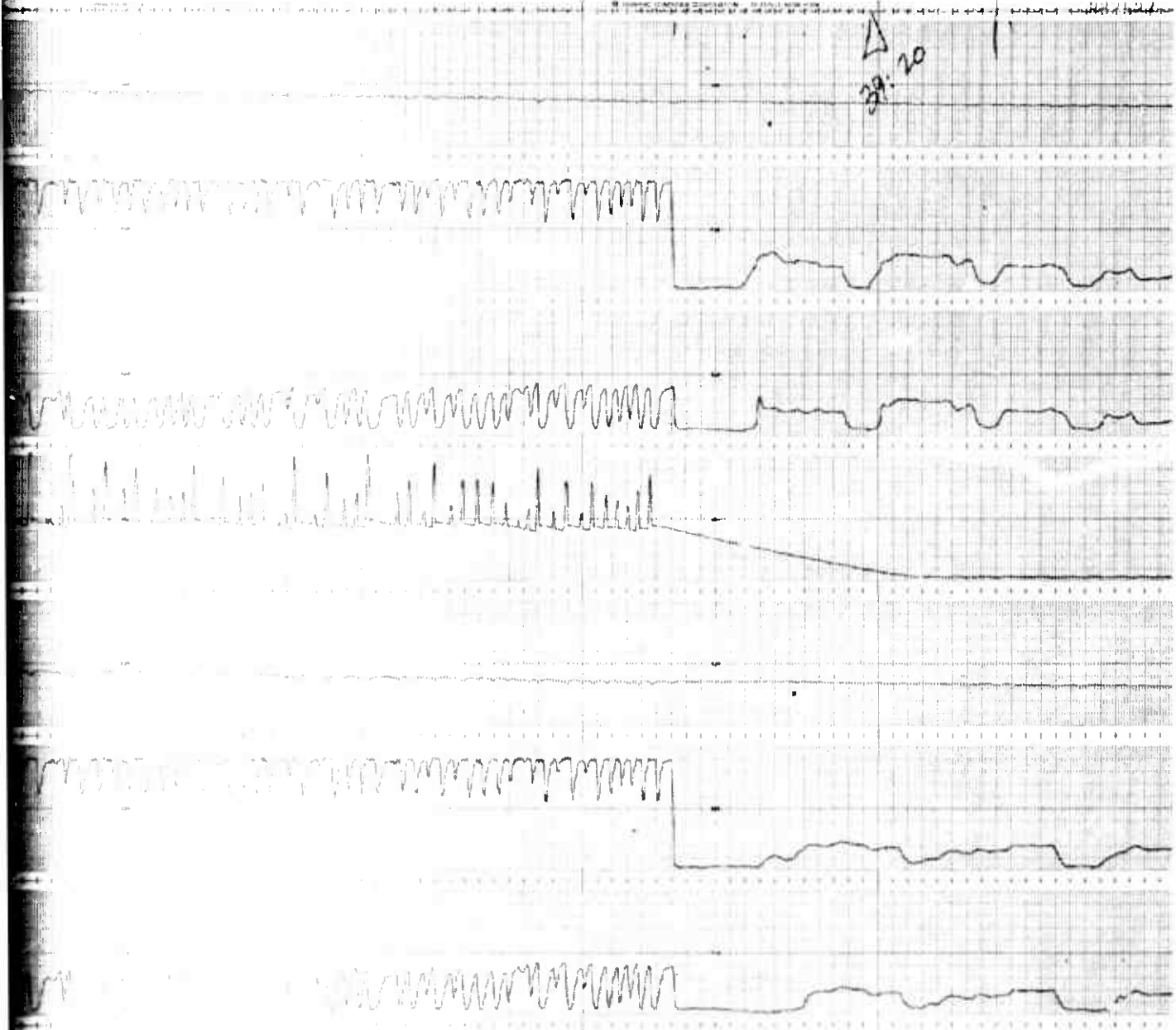


Figure B12
(Continued)

29.20



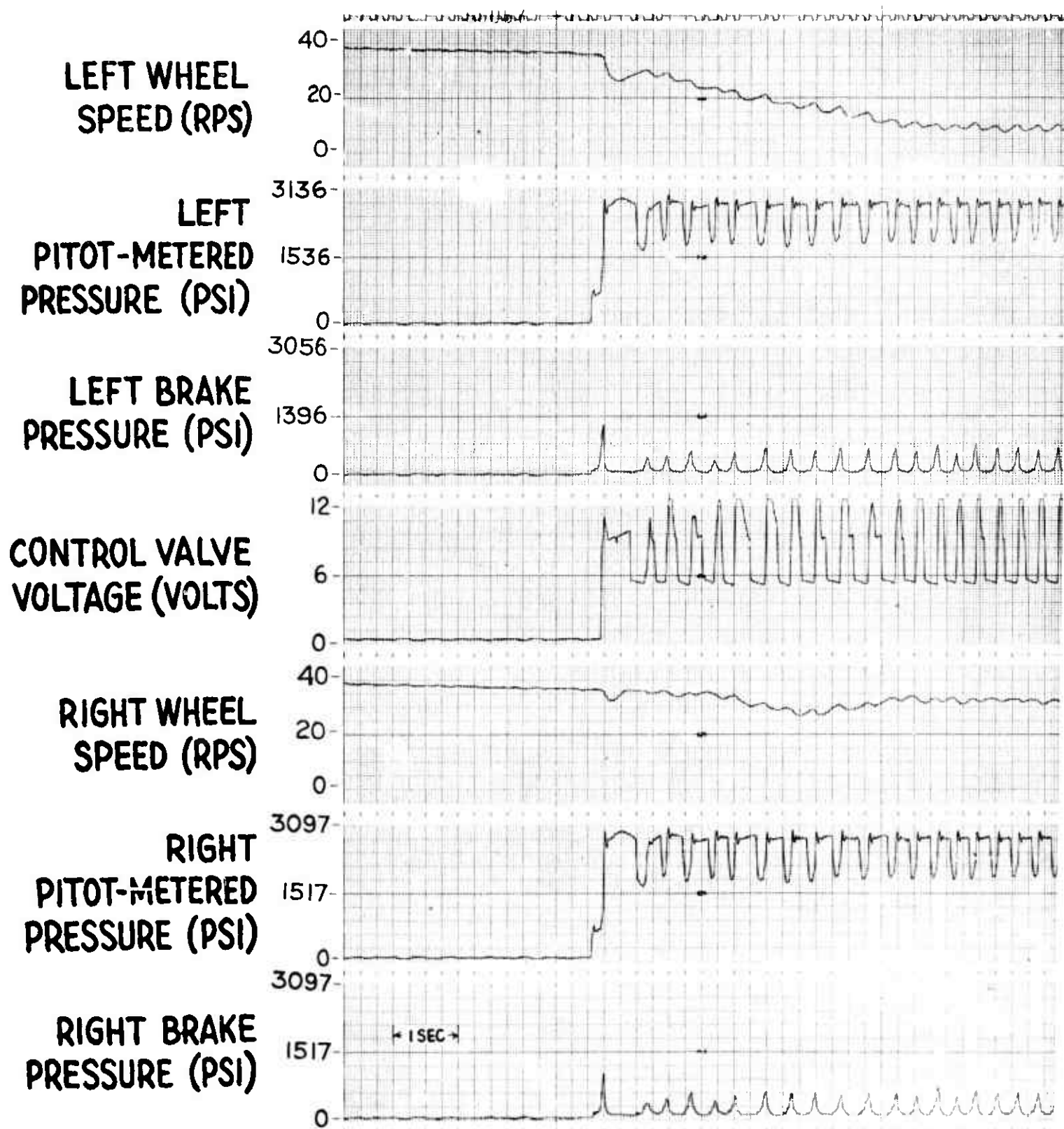
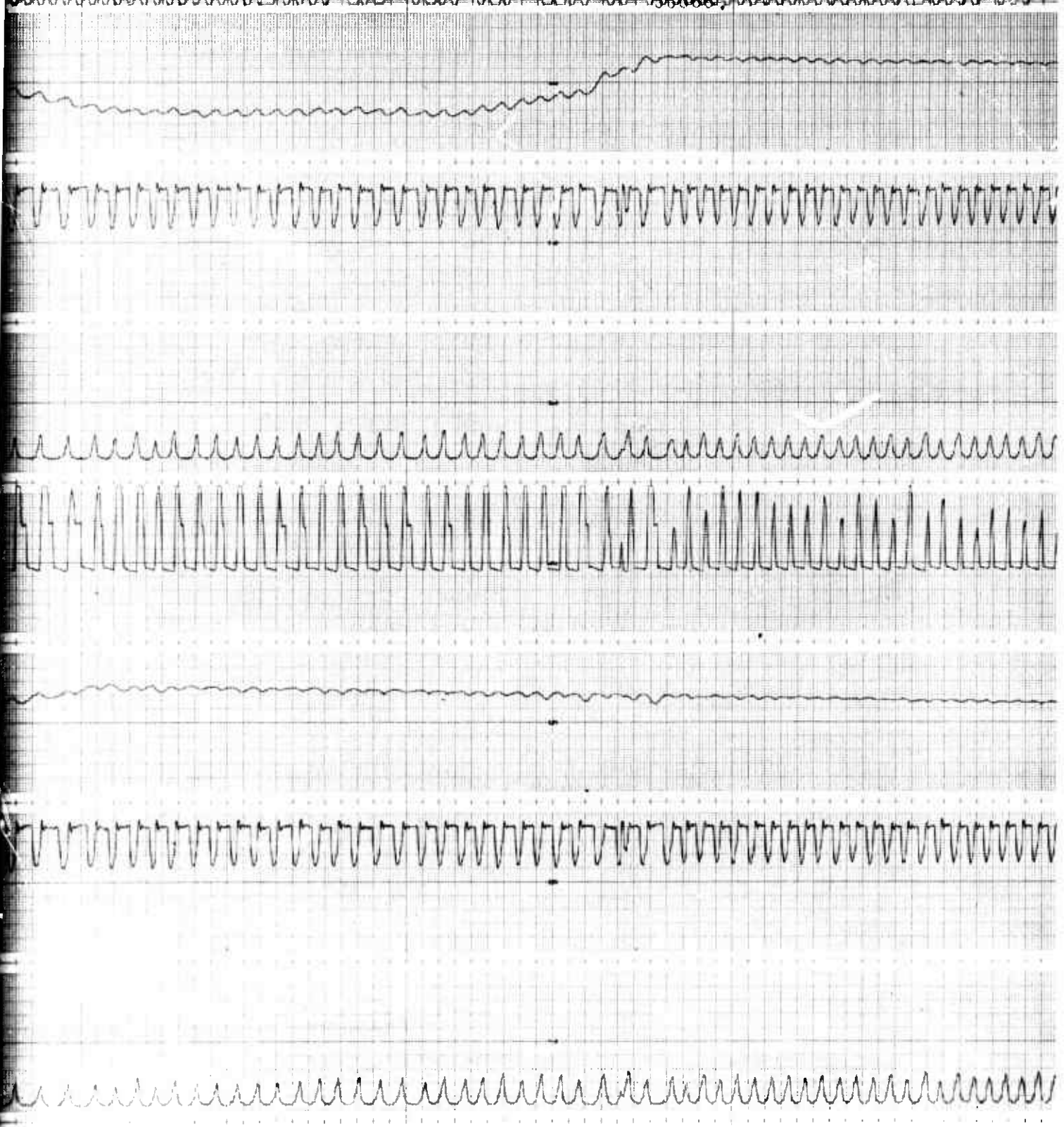


Figure B13



2

**LEFT WHEEL
SPEED (RPS)**

**LEFT
PITOT-METERED
PRESSURE (PSI)**

**LEFT BRAKE
PRESSURE (PSI)**

**CONTROL VALVE
VOLTAGE (VOLTS)**

**RIGHT WHEEL
SPEED (RPS)**

**RIGHT
PITOT-METERED
PRESSURE (PSI)**

**RIGHT BRAKE
PRESSURE (PSI)**

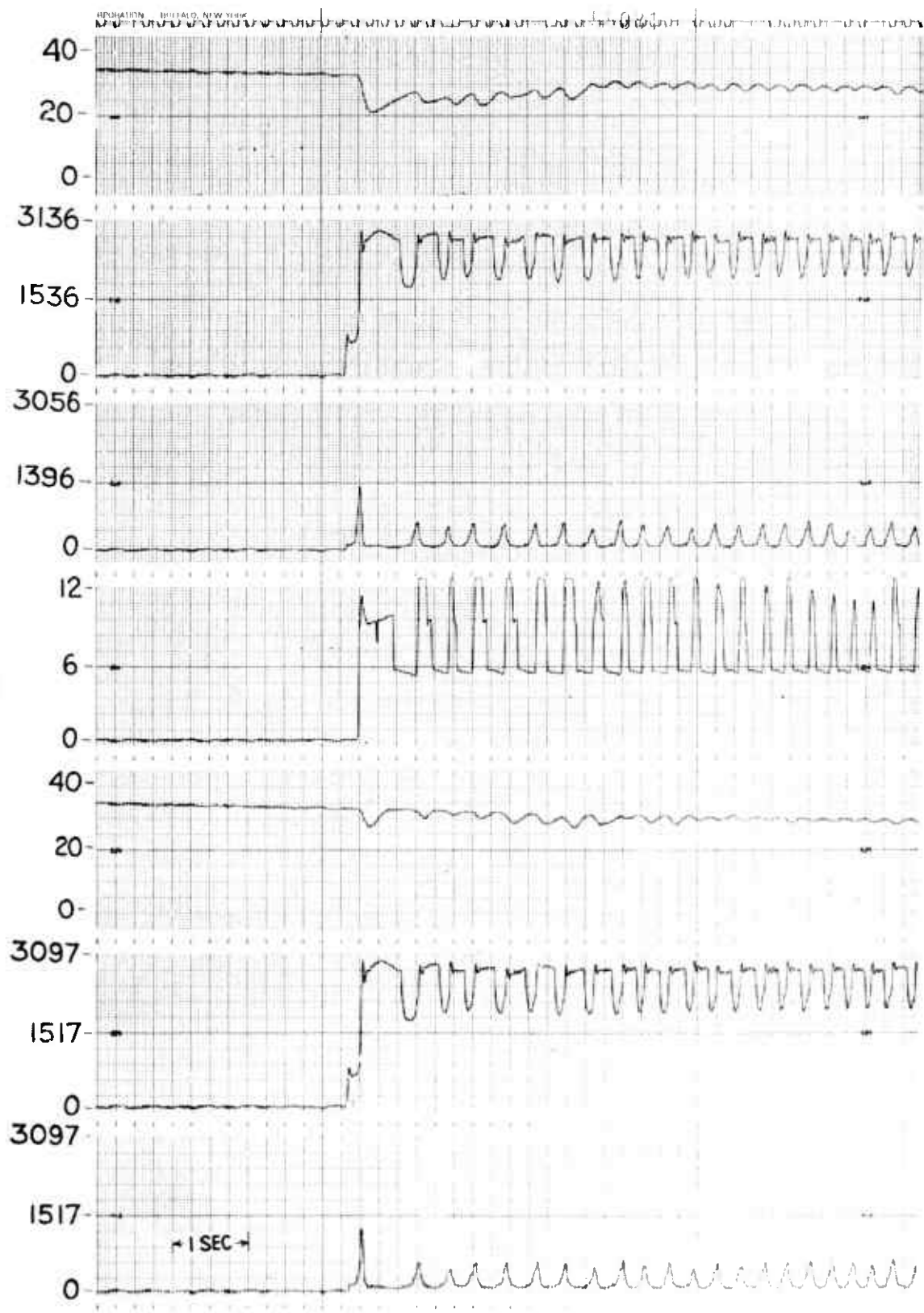


Figure B 14

55082

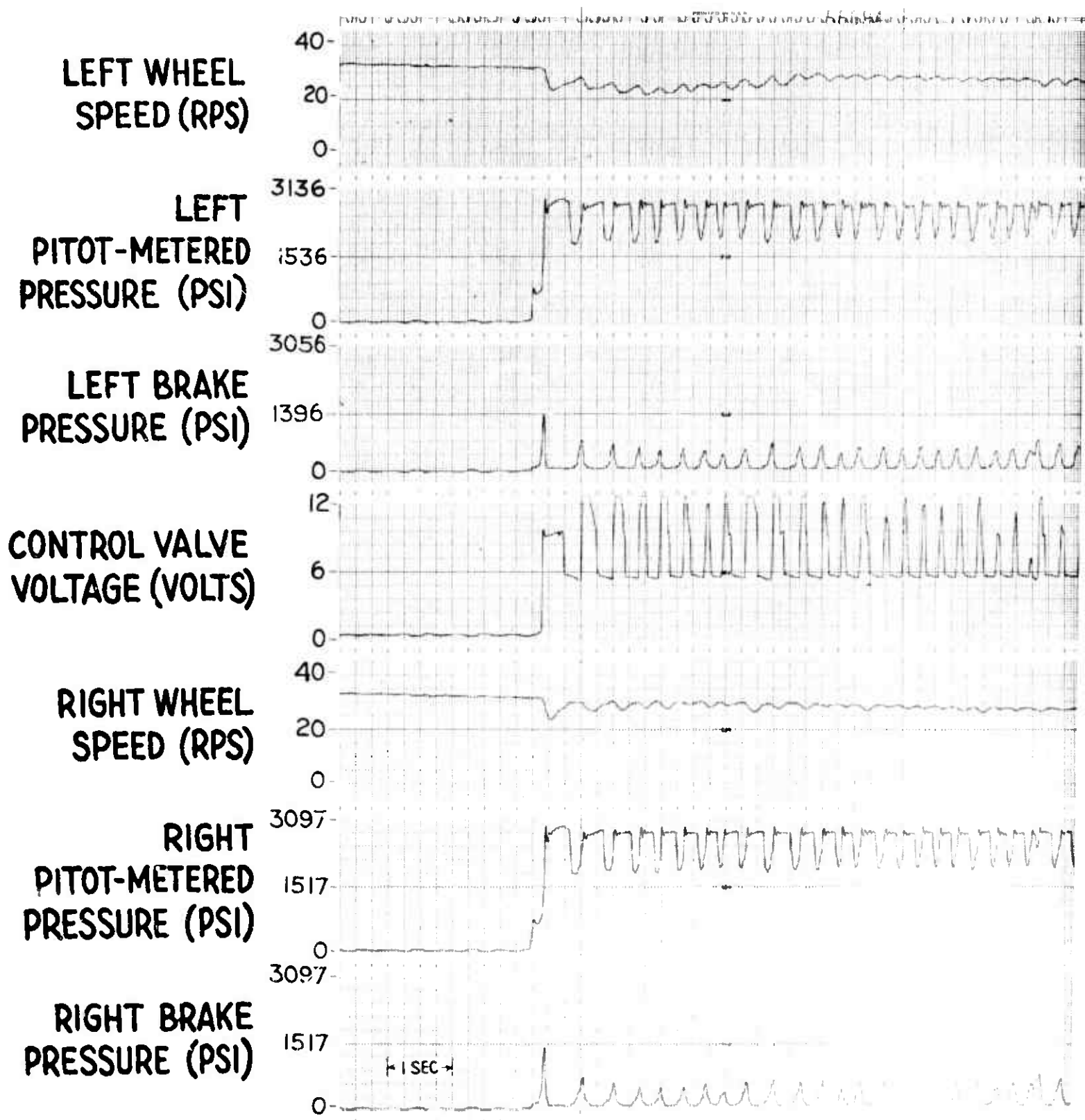
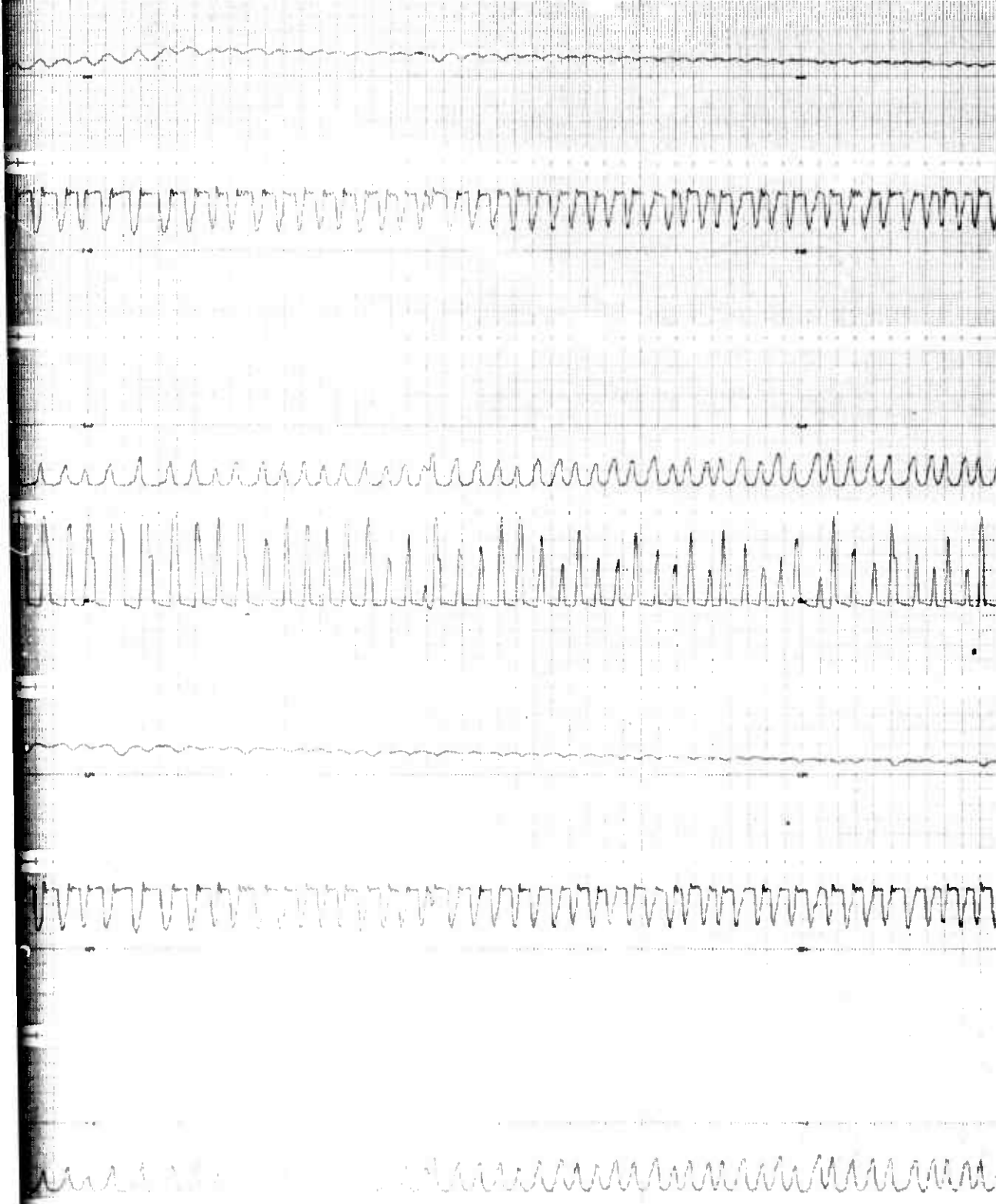


Figure B 15



LEFT WHEEL
SPEED (RPS)

LEFT
PITOT-METERED
PRESSURE (PSI)

LEFT BRAKE
PRESSURE (PSI)

CONTROL VALVE
VOLTAGE (VOLTS)

RIGHT WHEEL
SPEED (RPS)

RIGHT
PITOT-METERED
PRESSURE (PSI)

RIGHT BRAKE
PRESSURE (PSI)

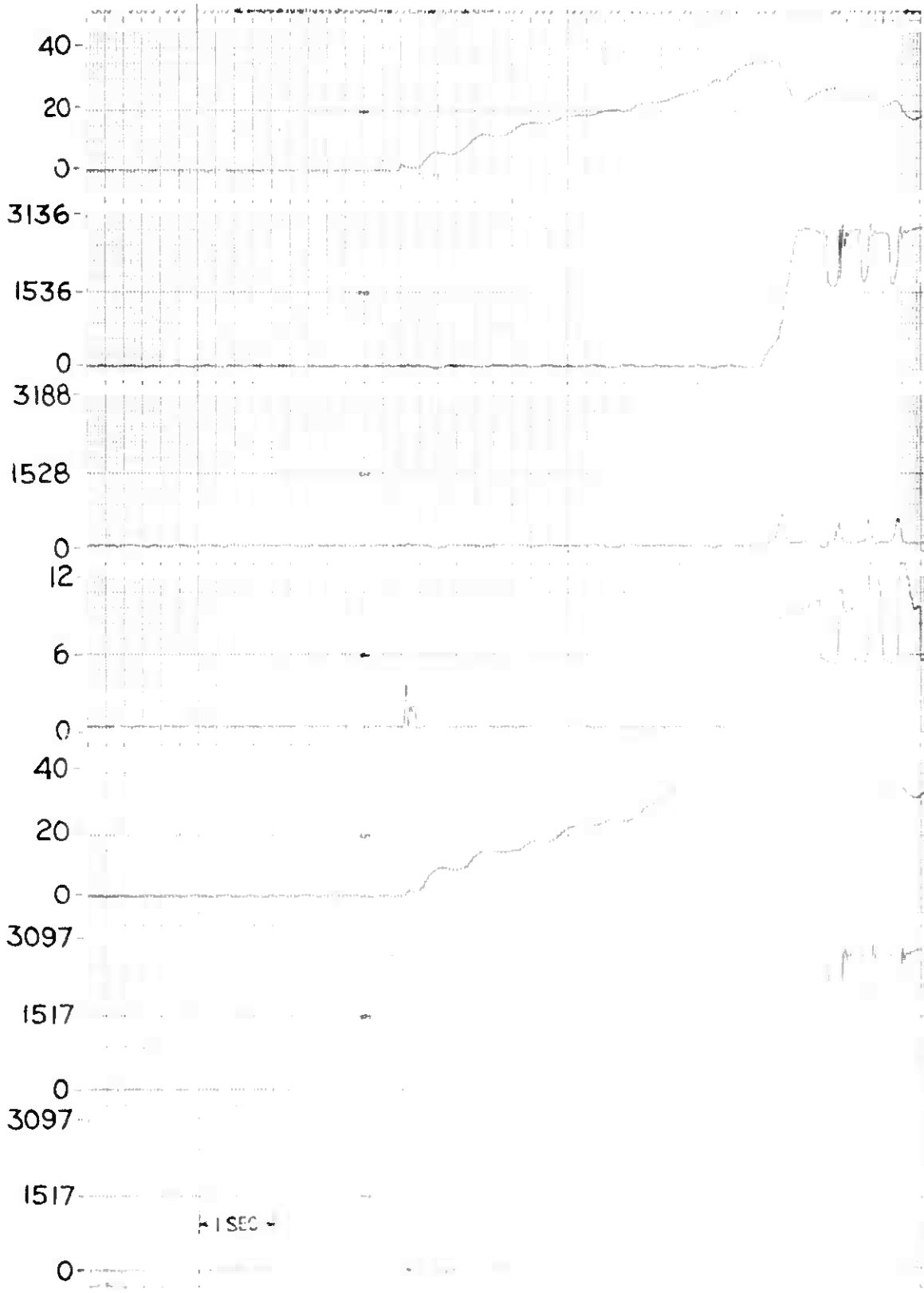
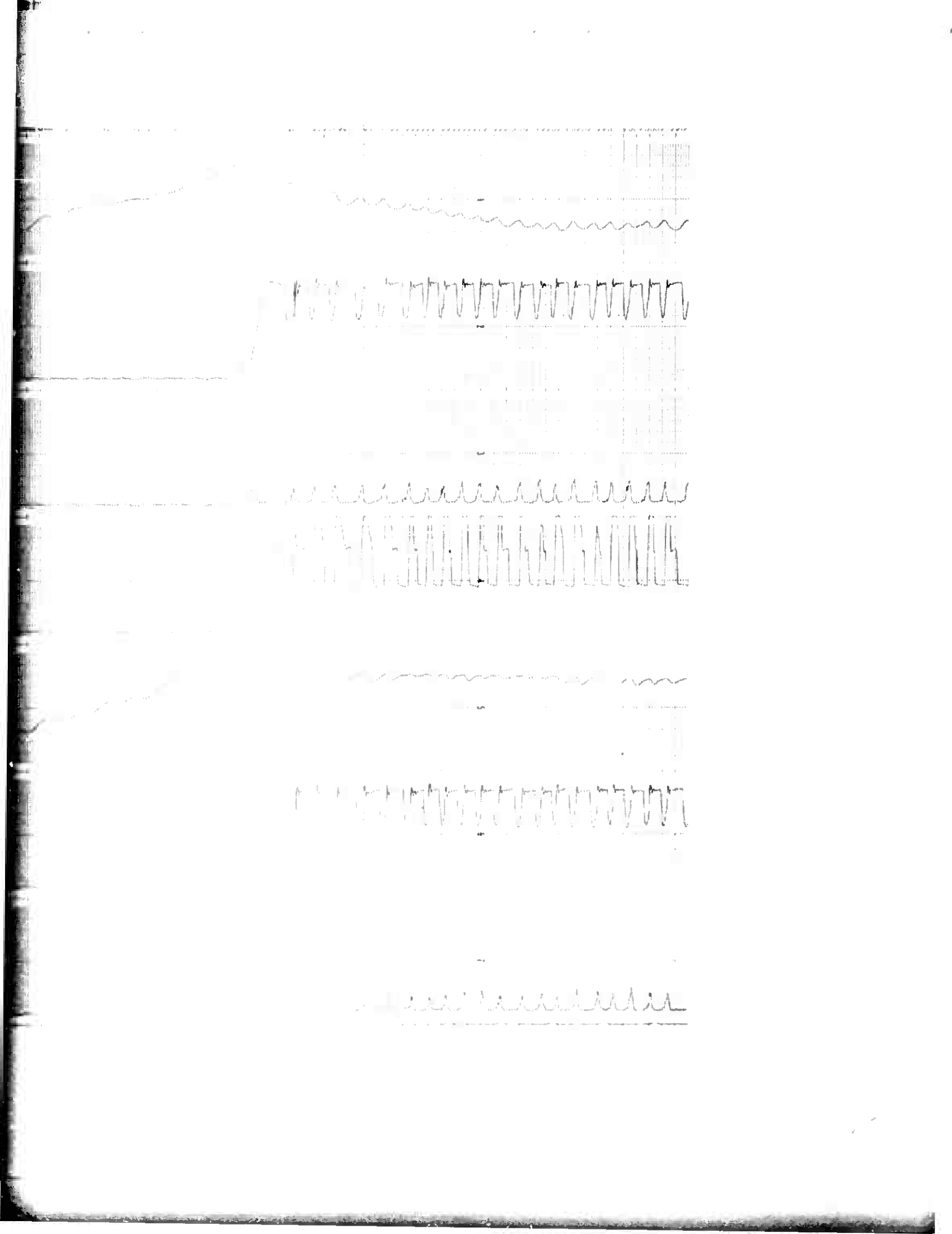


Figure B 16



LEFT WHEEL
SPEED (RPS)

LEFT
PITOT-METERED
PRESSURE (PSI)

LEFT BRAKE
PRESSURE (PSI)

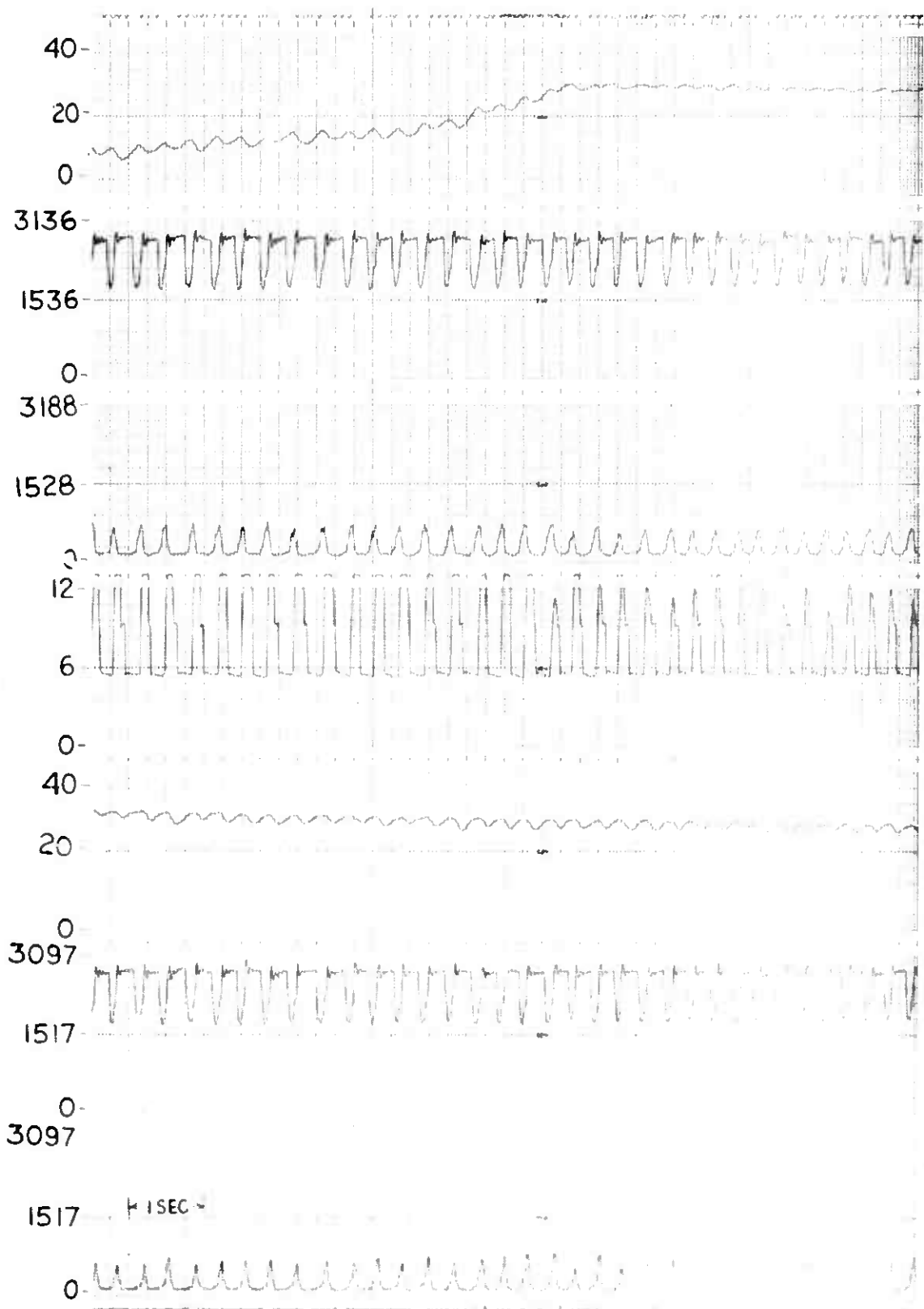
CONTROL VALVE
VOLTAGE (VOLTS)

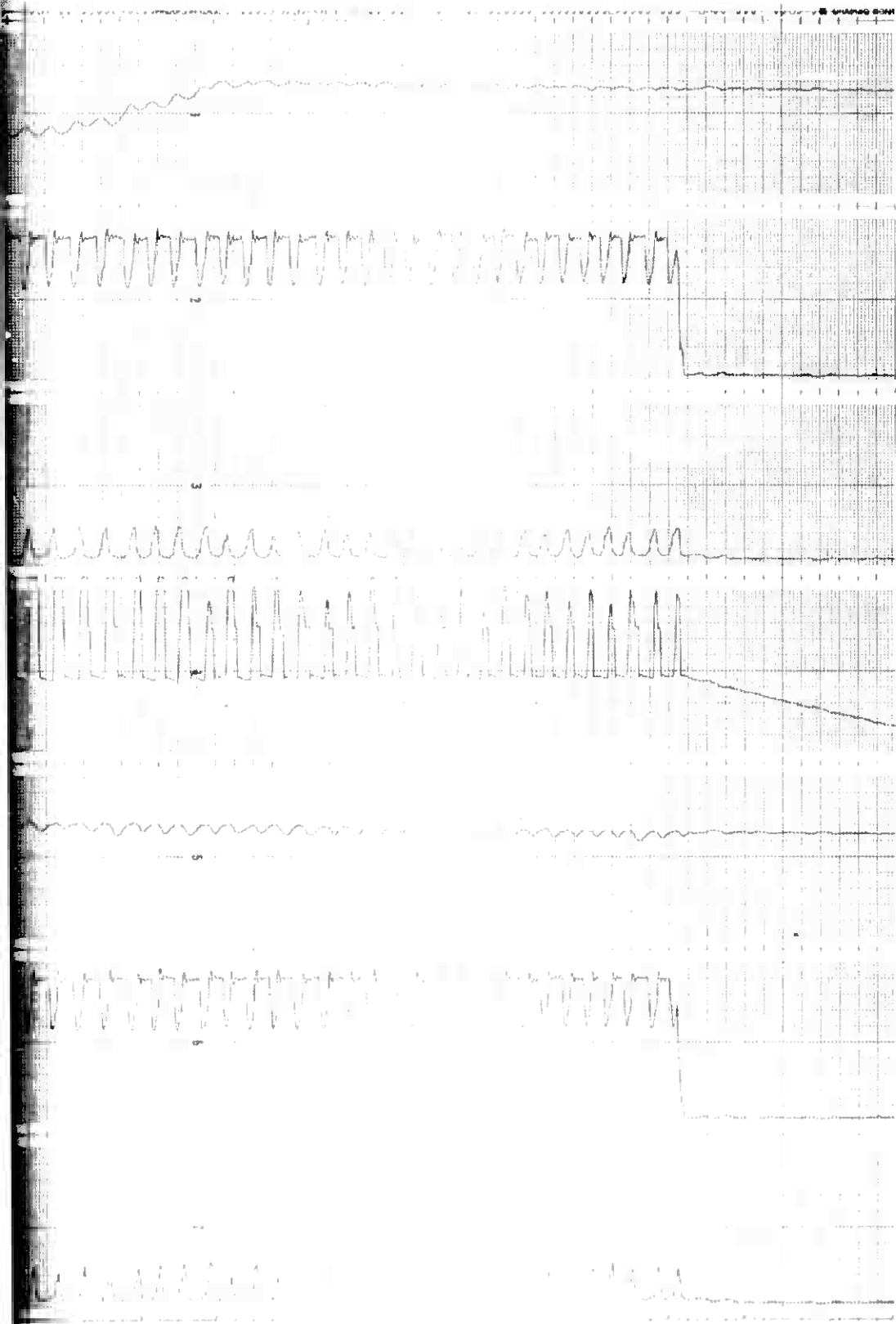
RIGHT WHEEL
SPEED (RPS)

RIGHT
PITOT-METERED
PRESSURE (PSI)

RIGHT BRAKE
PRESSURE (PSI)

Figure B 16
(Concluded)





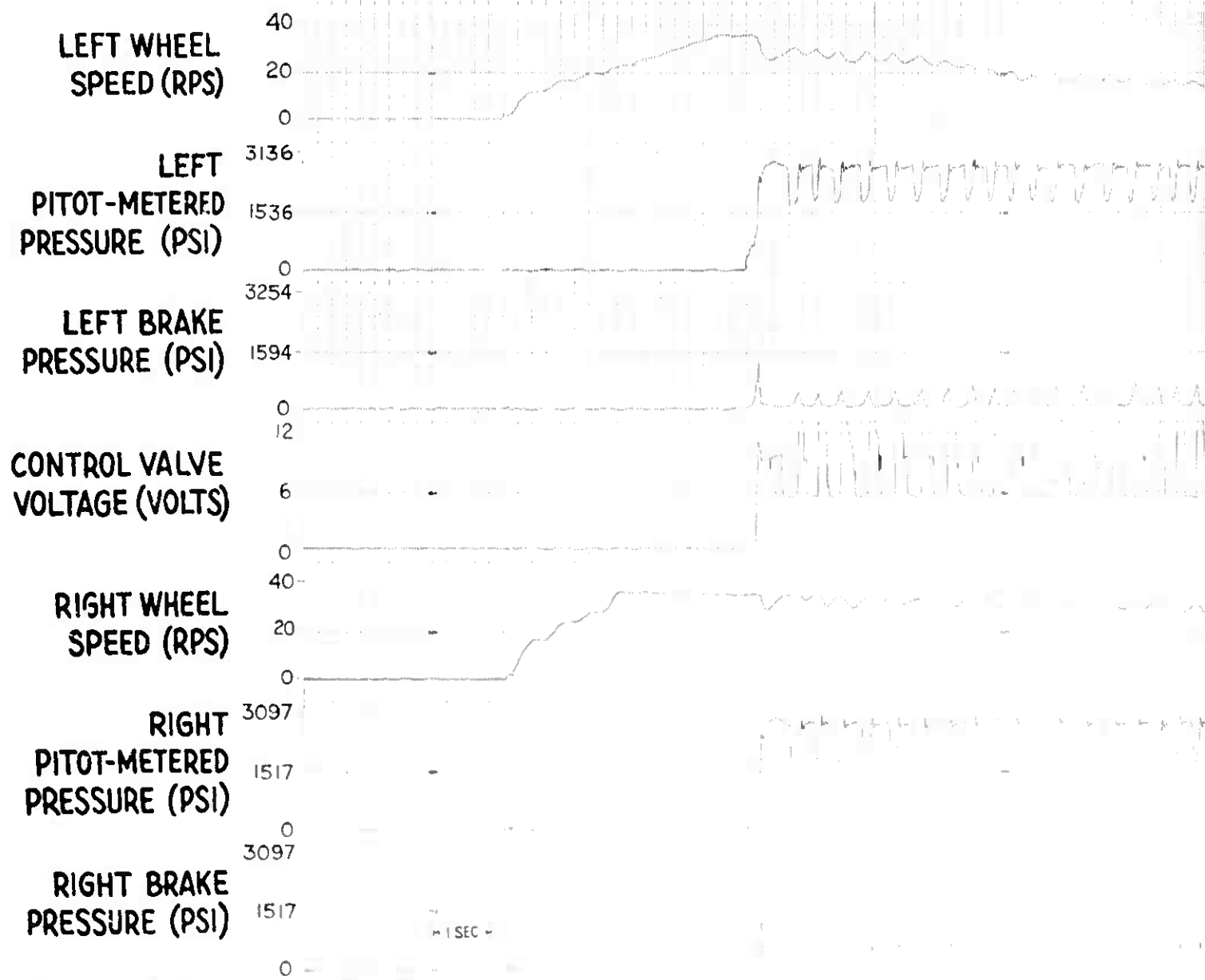
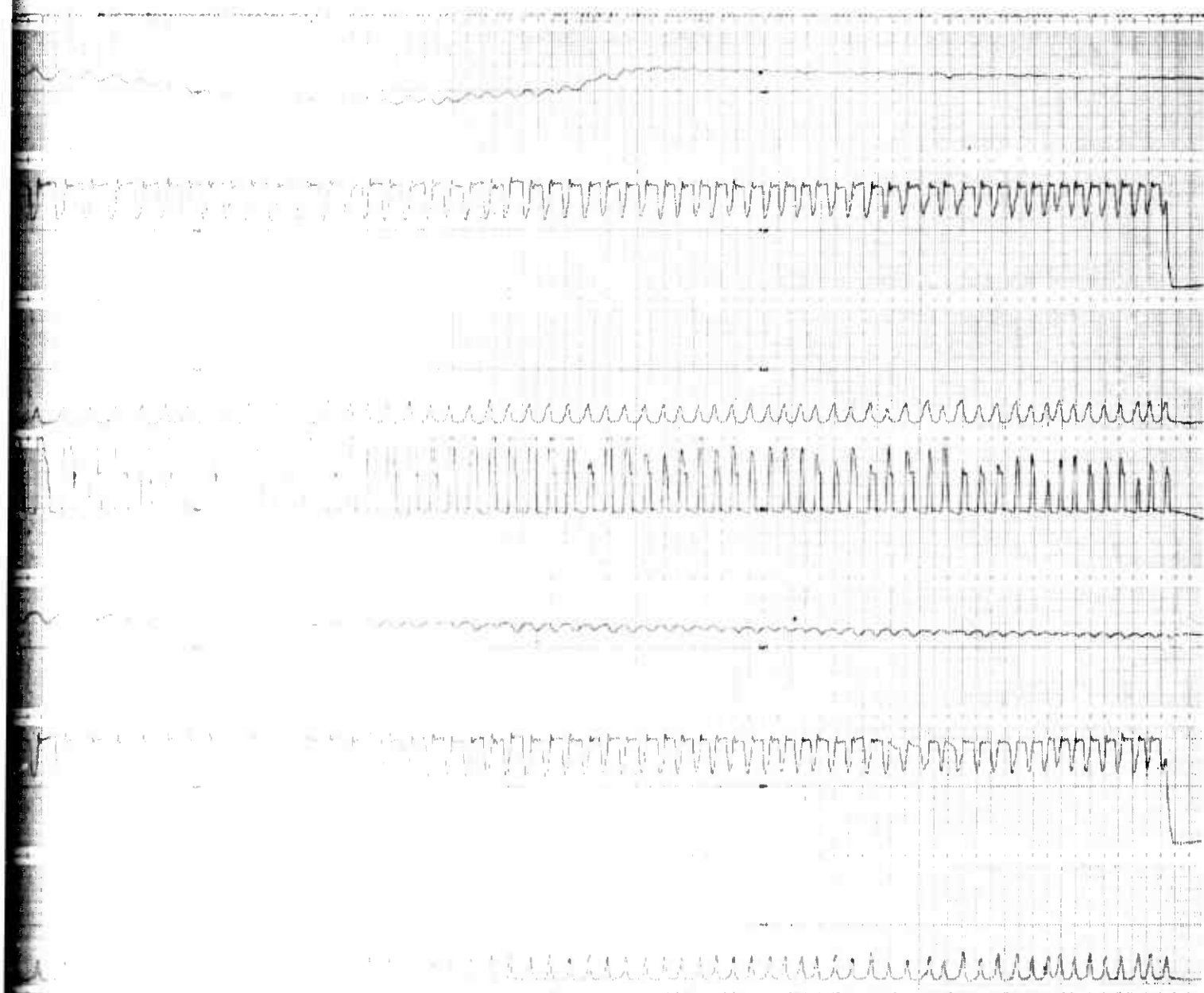


Figure B17



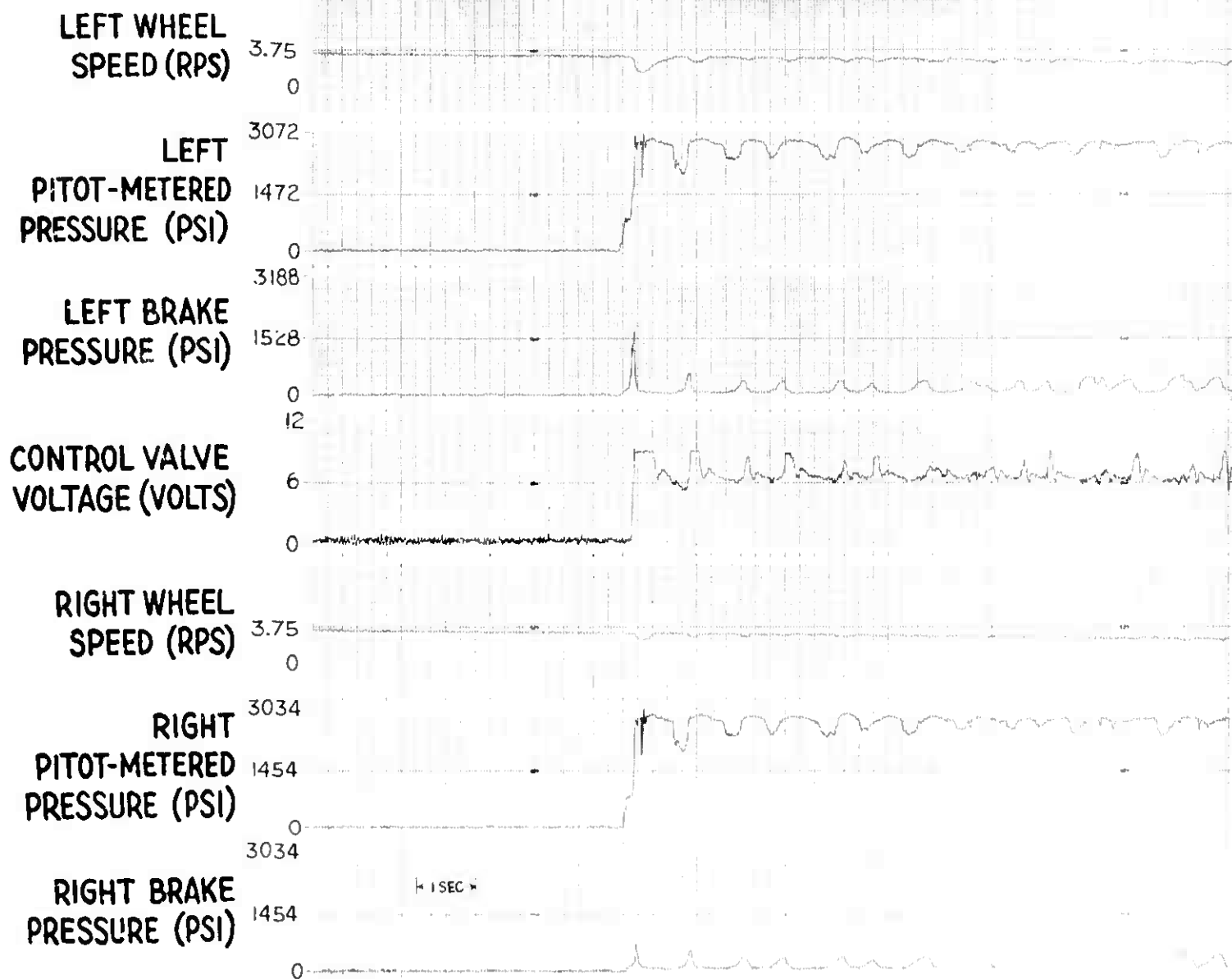
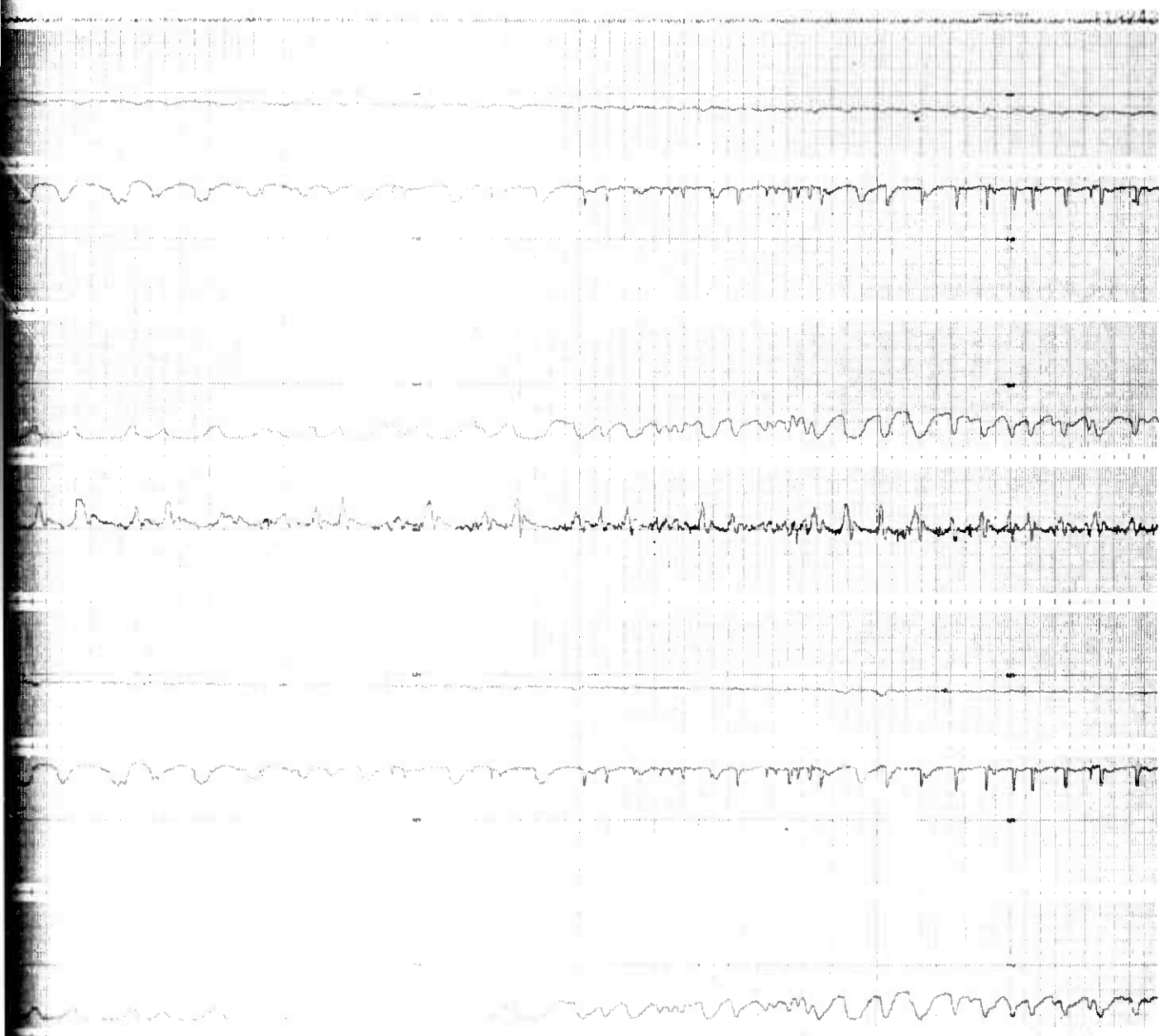


Figure B 18



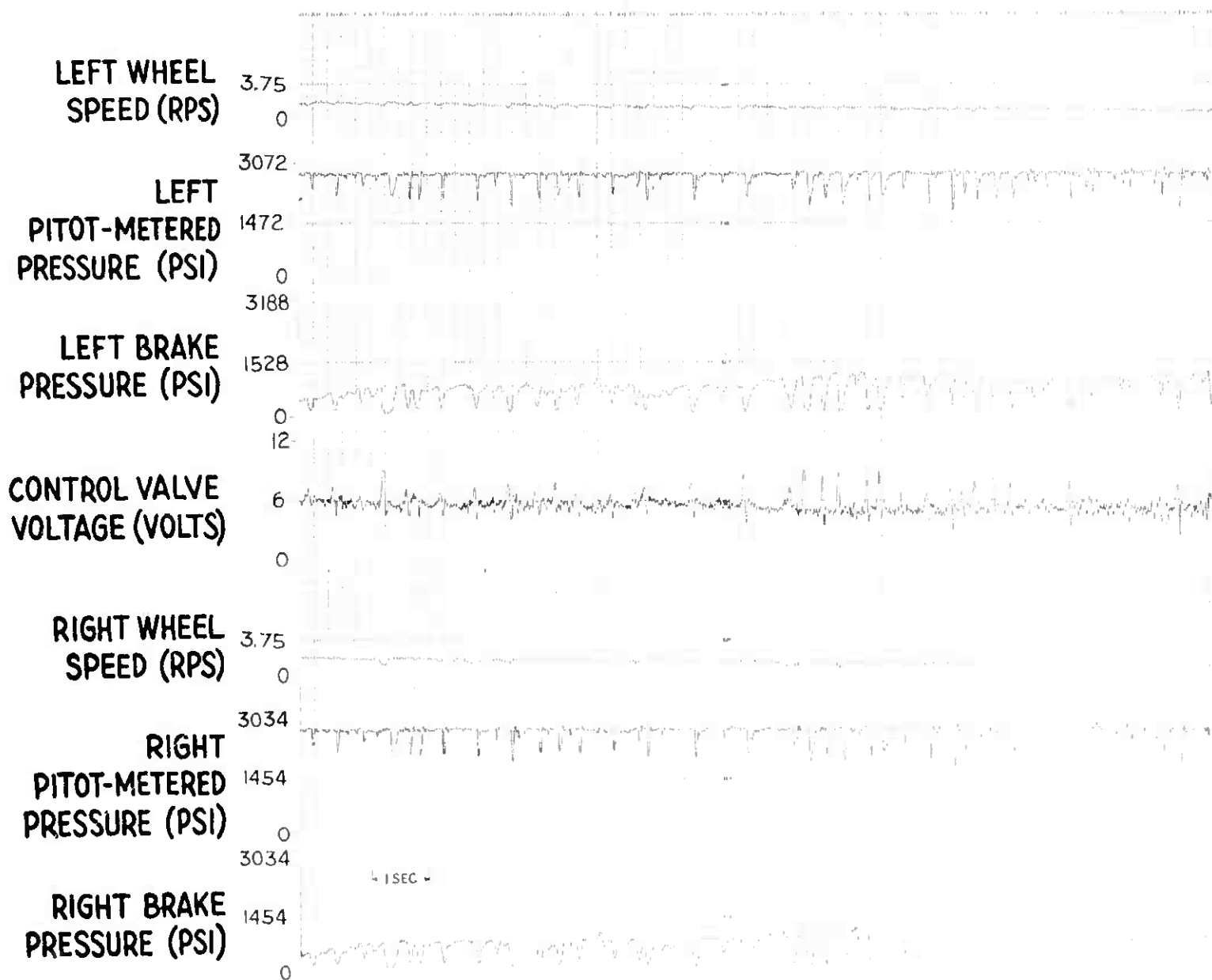
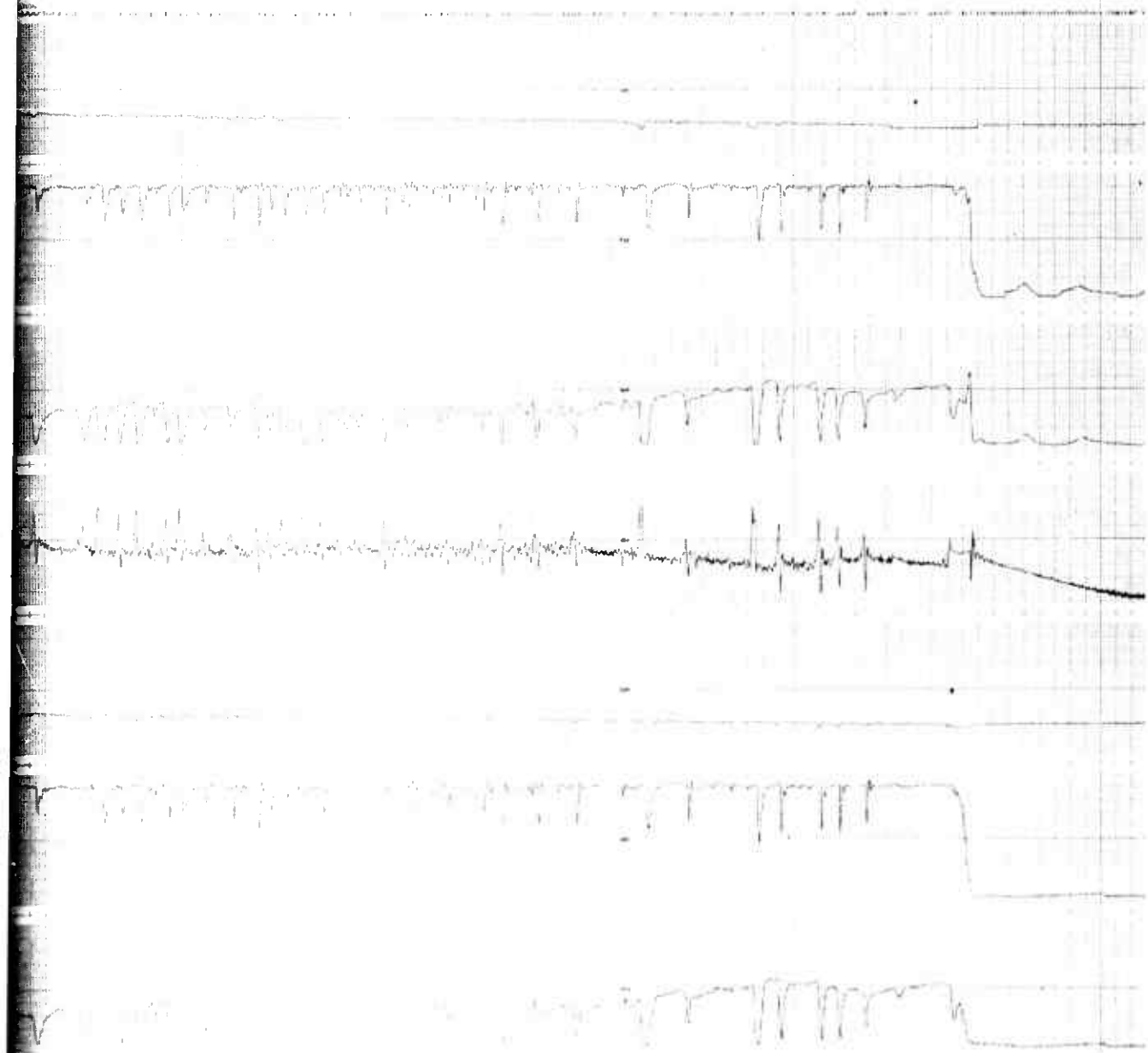


Figure B 18
(Concluded)



LEFT WHEEL
SPEED (RPS)

3.75
0

LEFT
PITOT-METERED
PRESSURE (PSI)

3136
1536
0

LEFT BRAKE
PRESSURE (PSI)

3254
1594
0

CONTROL VALVE
VOLTAGE (VOLTS)

12
6
0

RIGHT WHEEL
SPEED (RPS)

3.75
0

RIGHT
PITOT-METERED
PRESSURE (PSI)

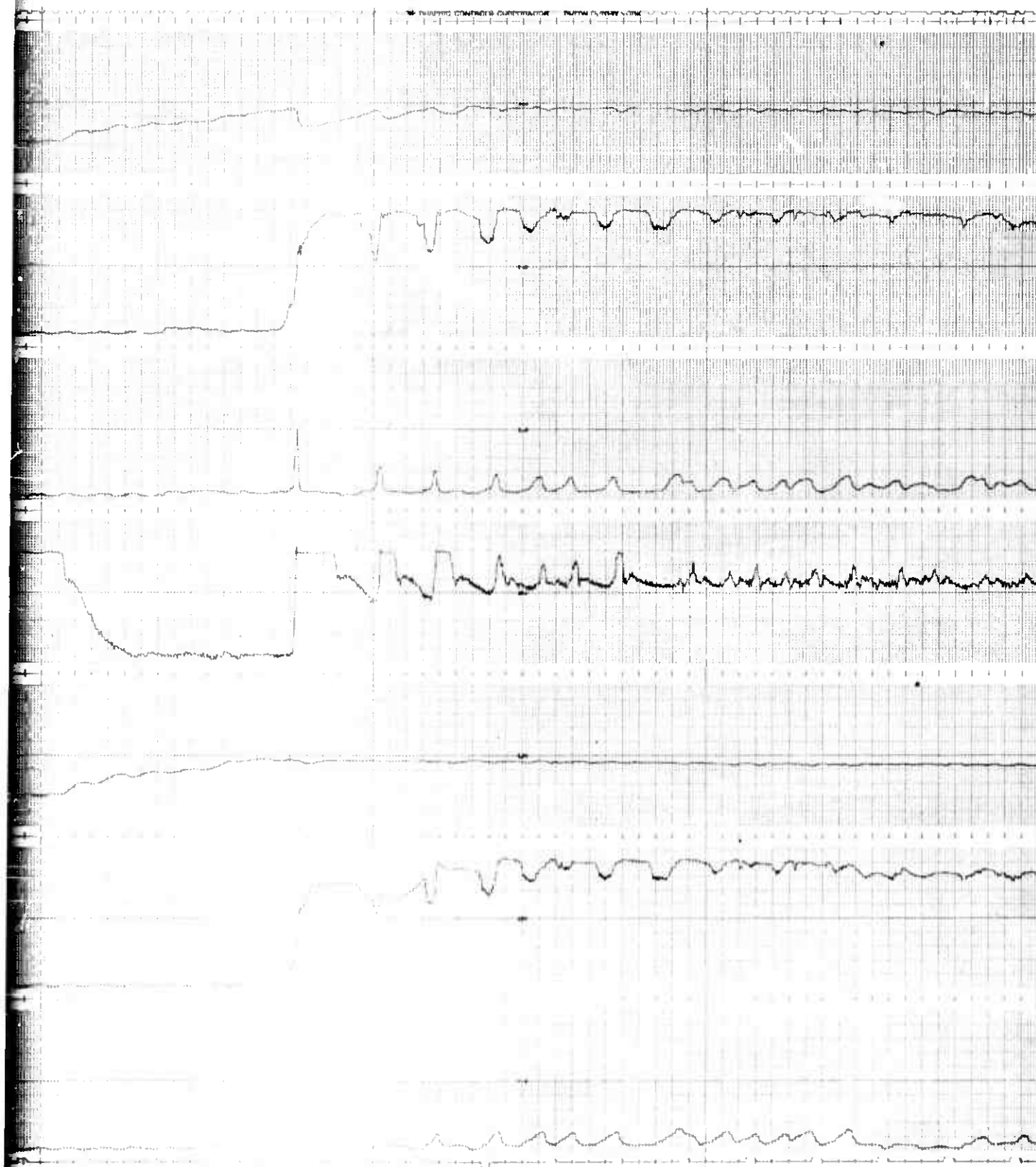
3097
1517
0

RIGHT BRAKE
PRESSURE (PSI)

3097
1517
0



Figure B 19



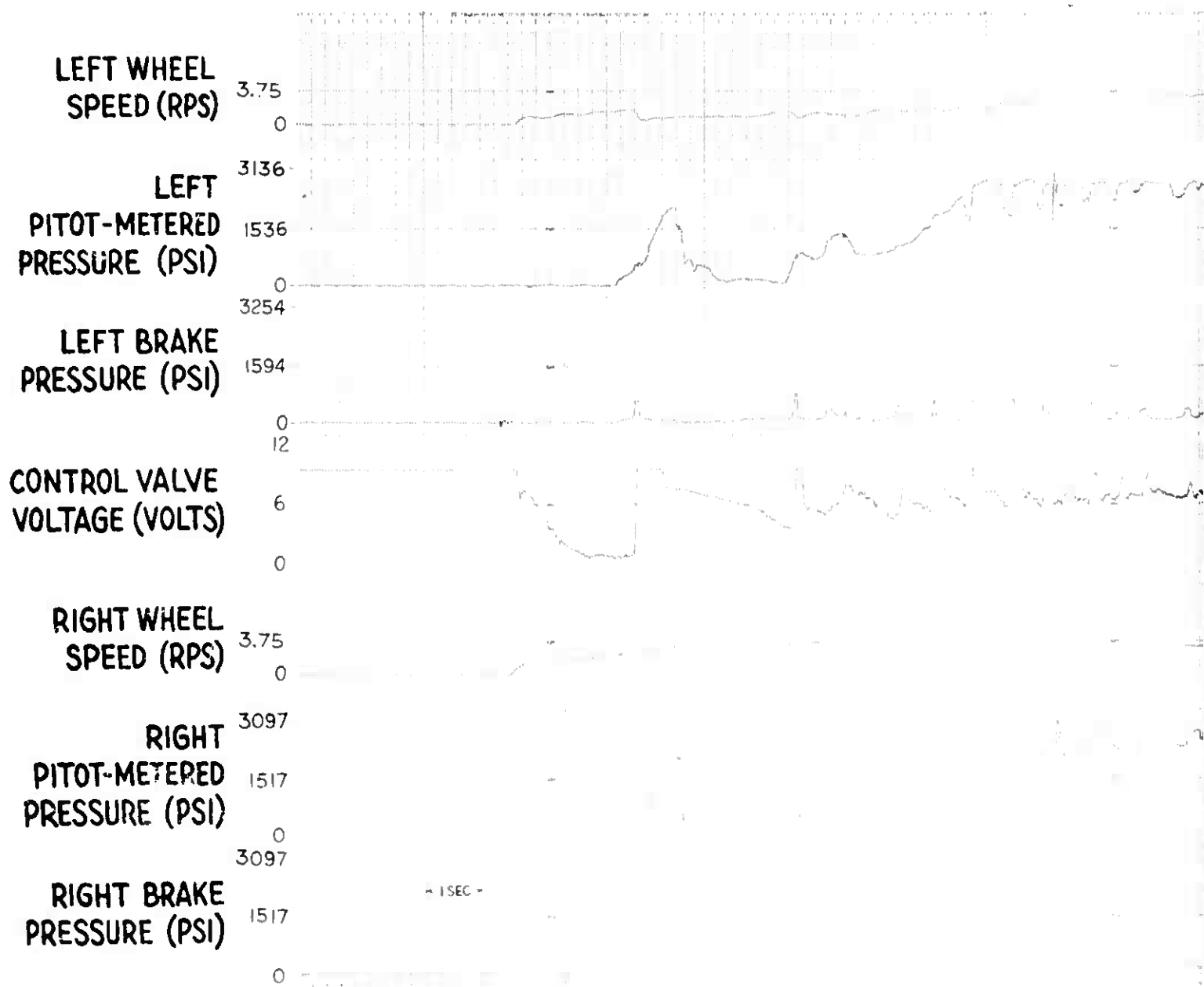
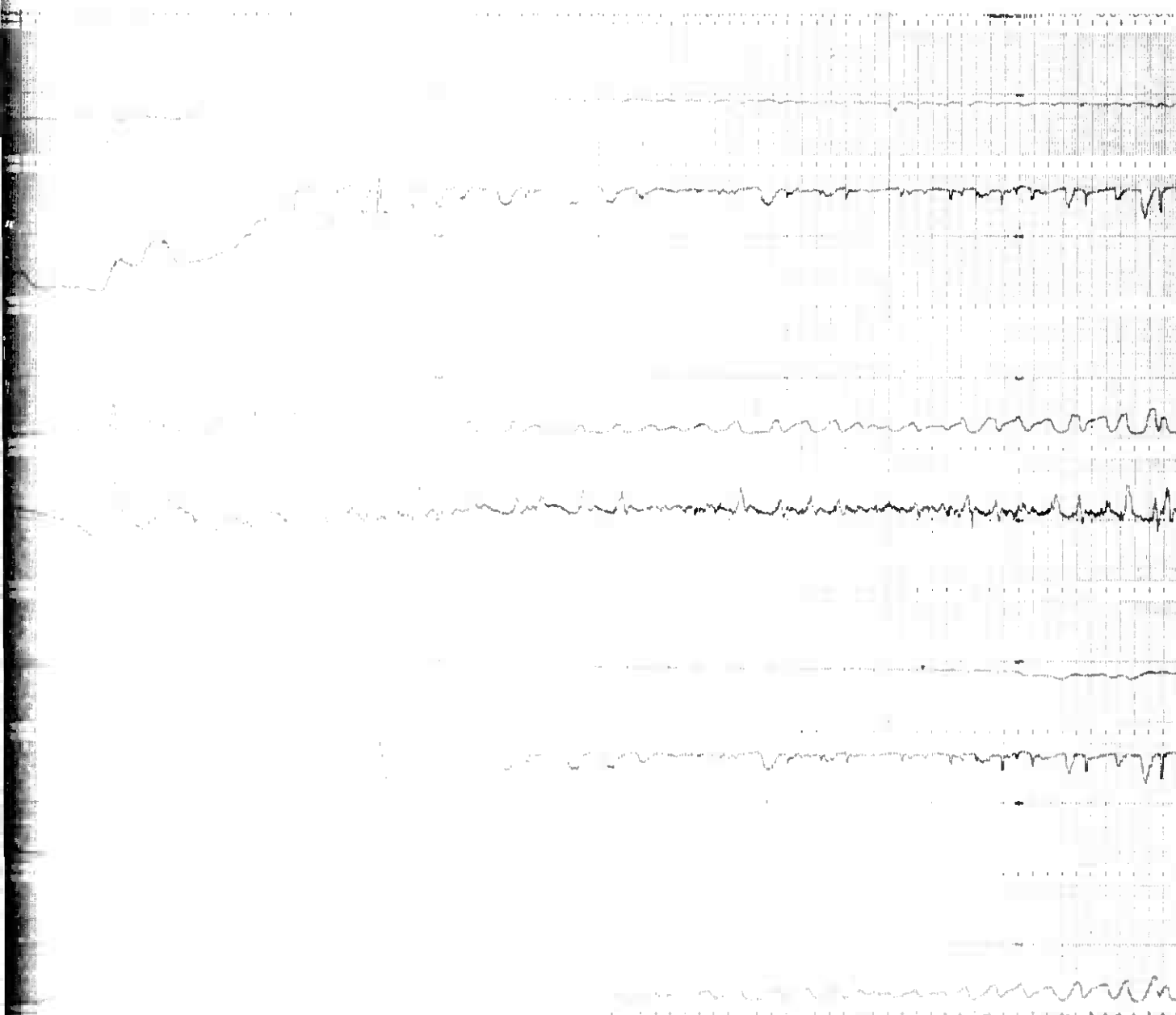


Figure B 20



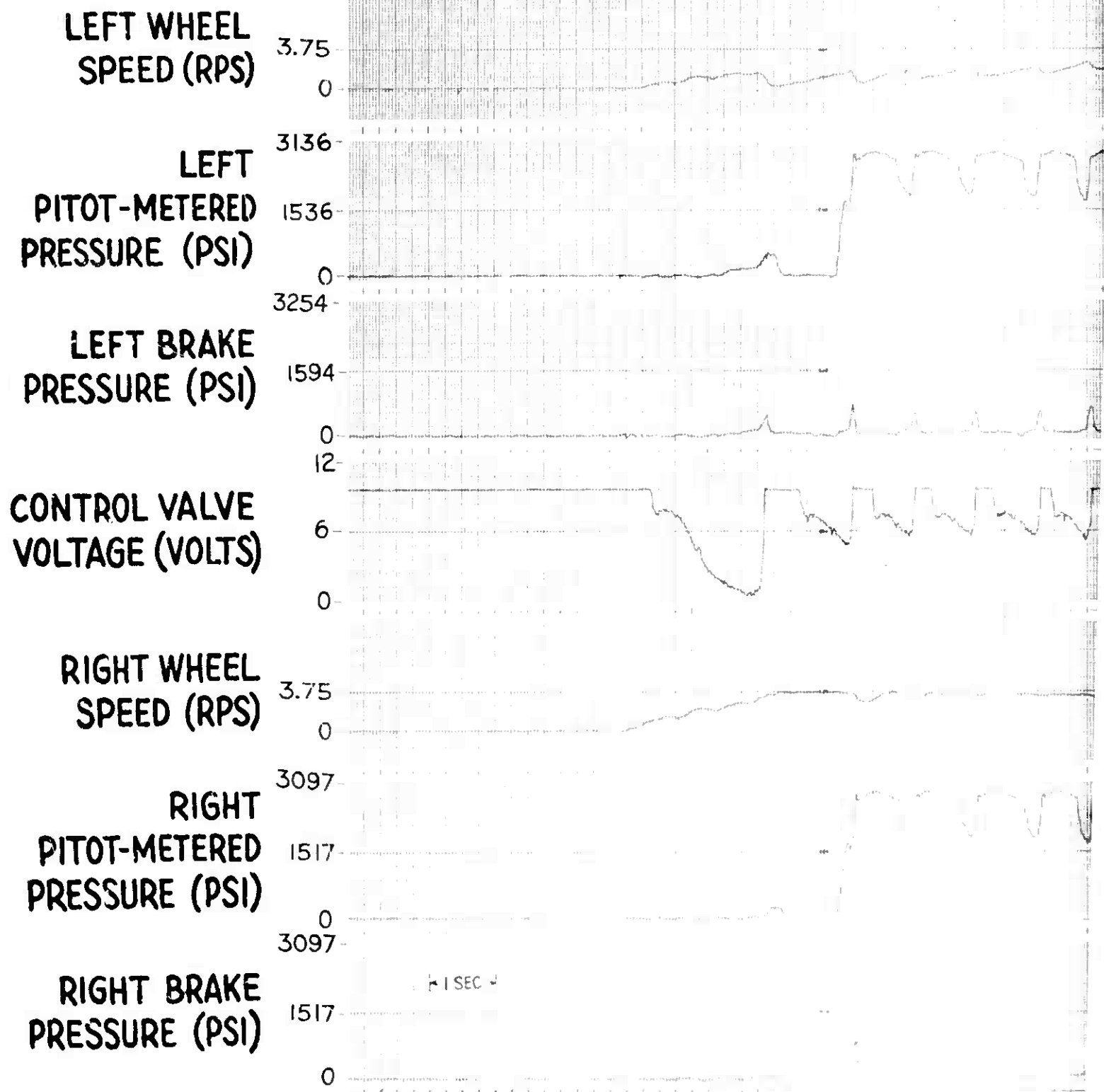
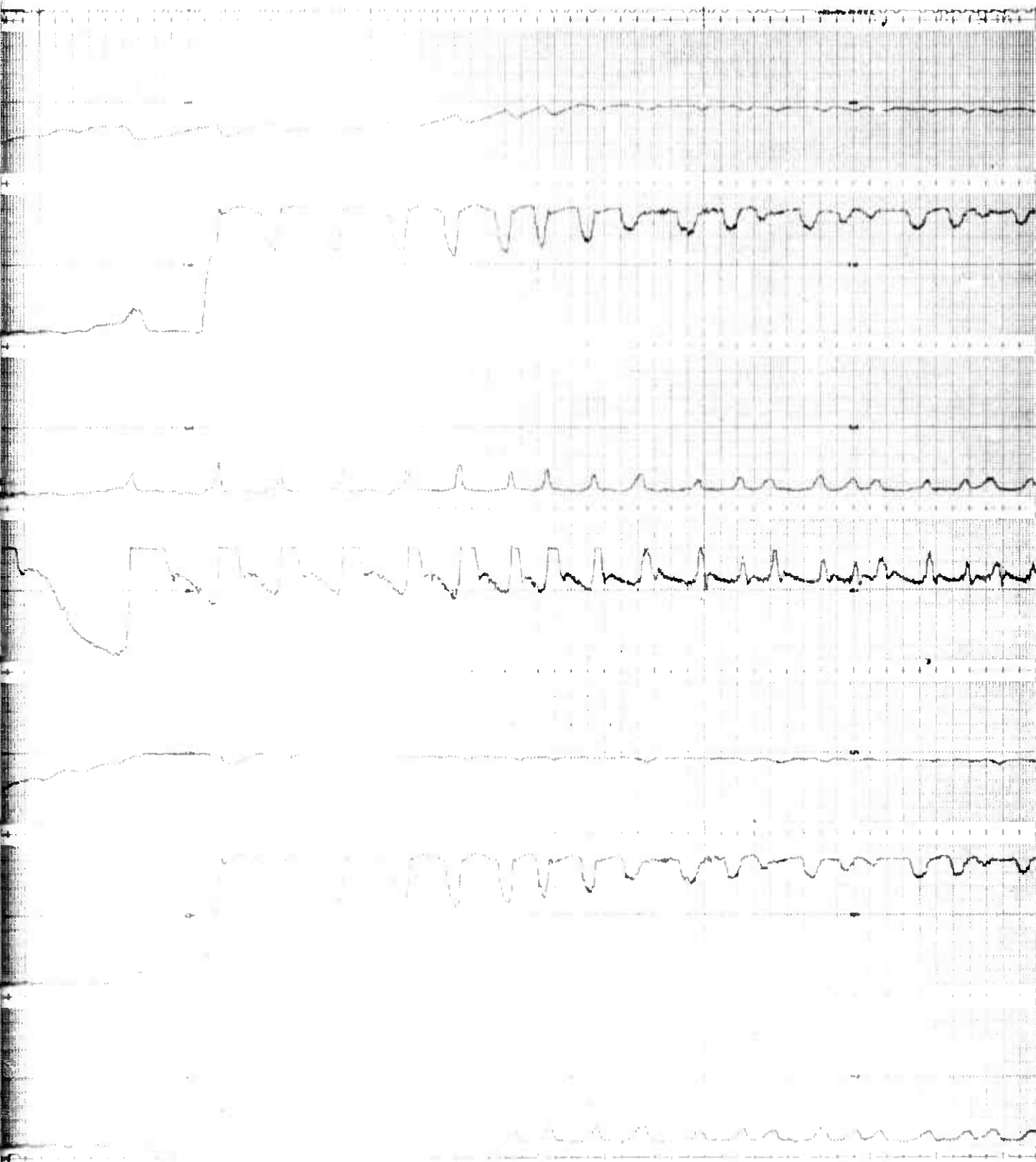


Figure B21



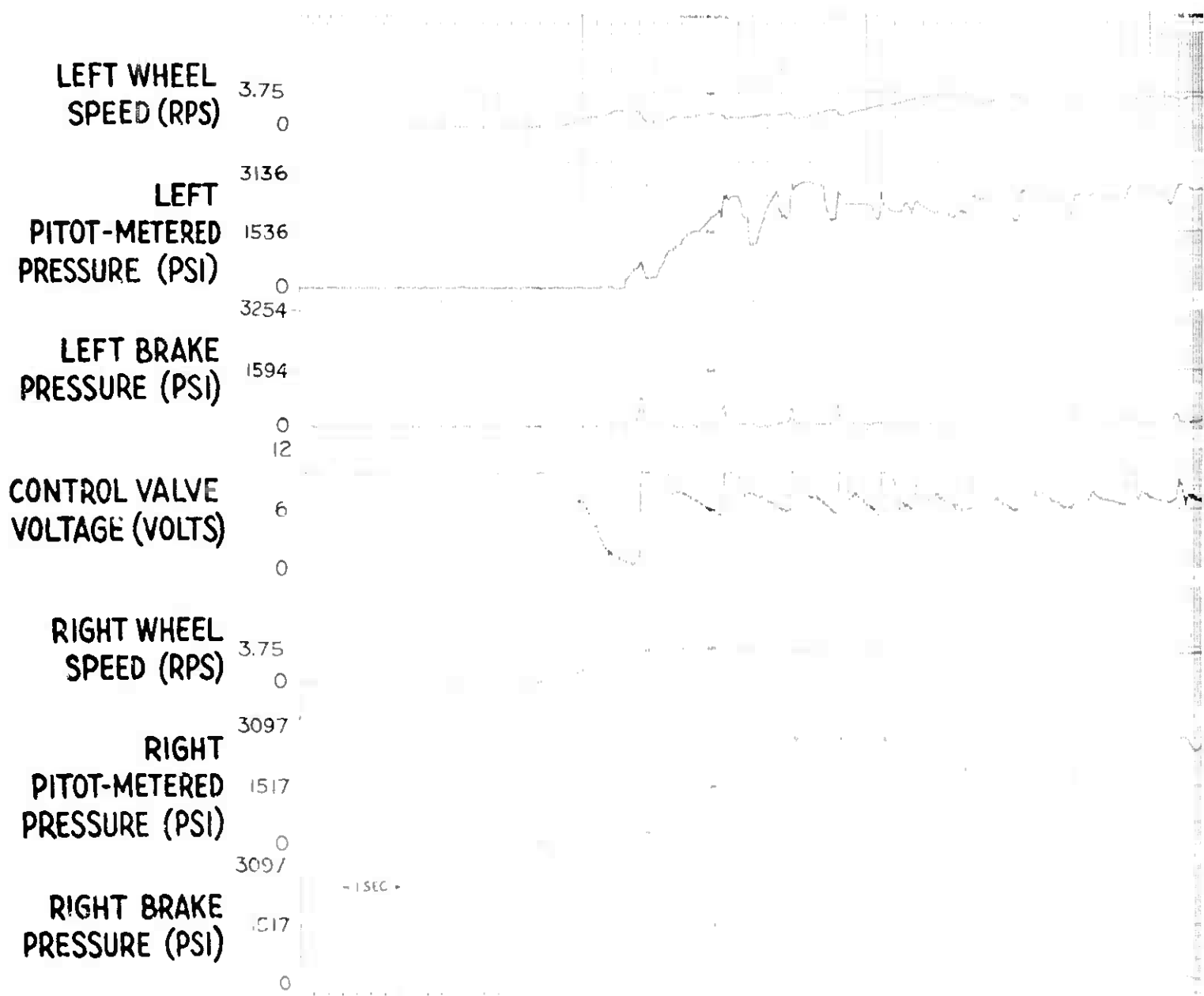
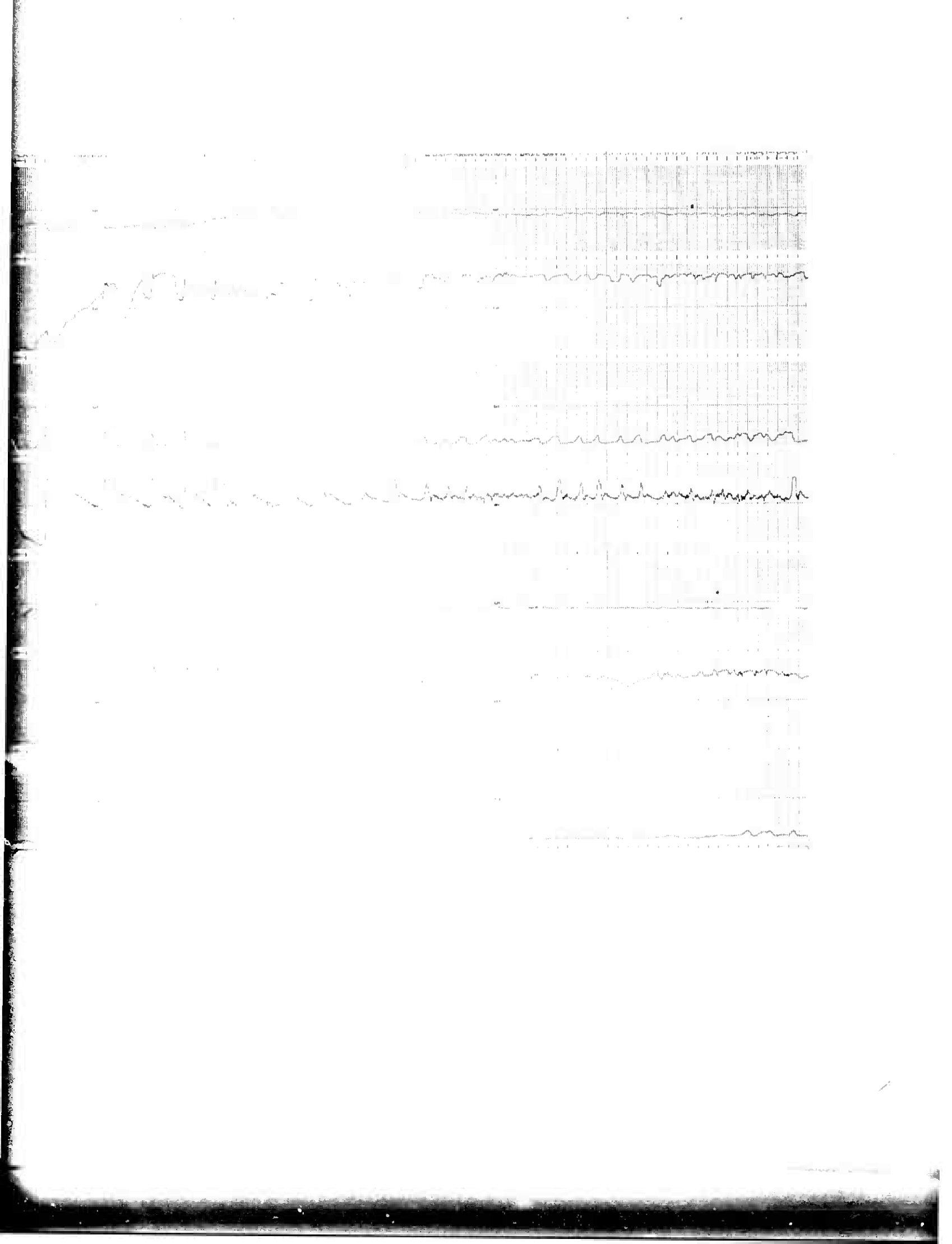


Figure 8 22



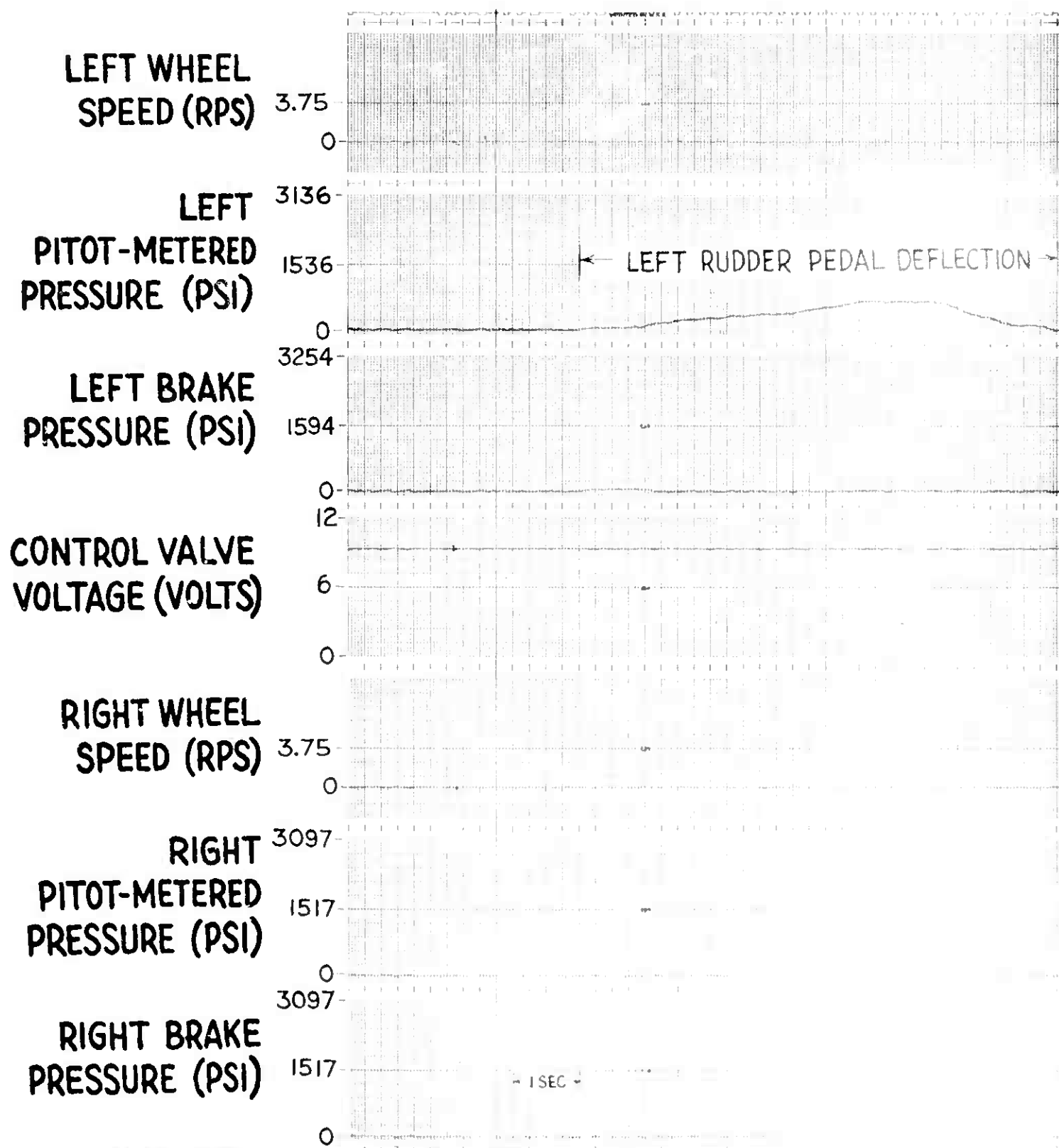


Figure B 23

DER PEDAL DEFLECTION

RIGHT RUDDER
PEDAL DEFLECTION

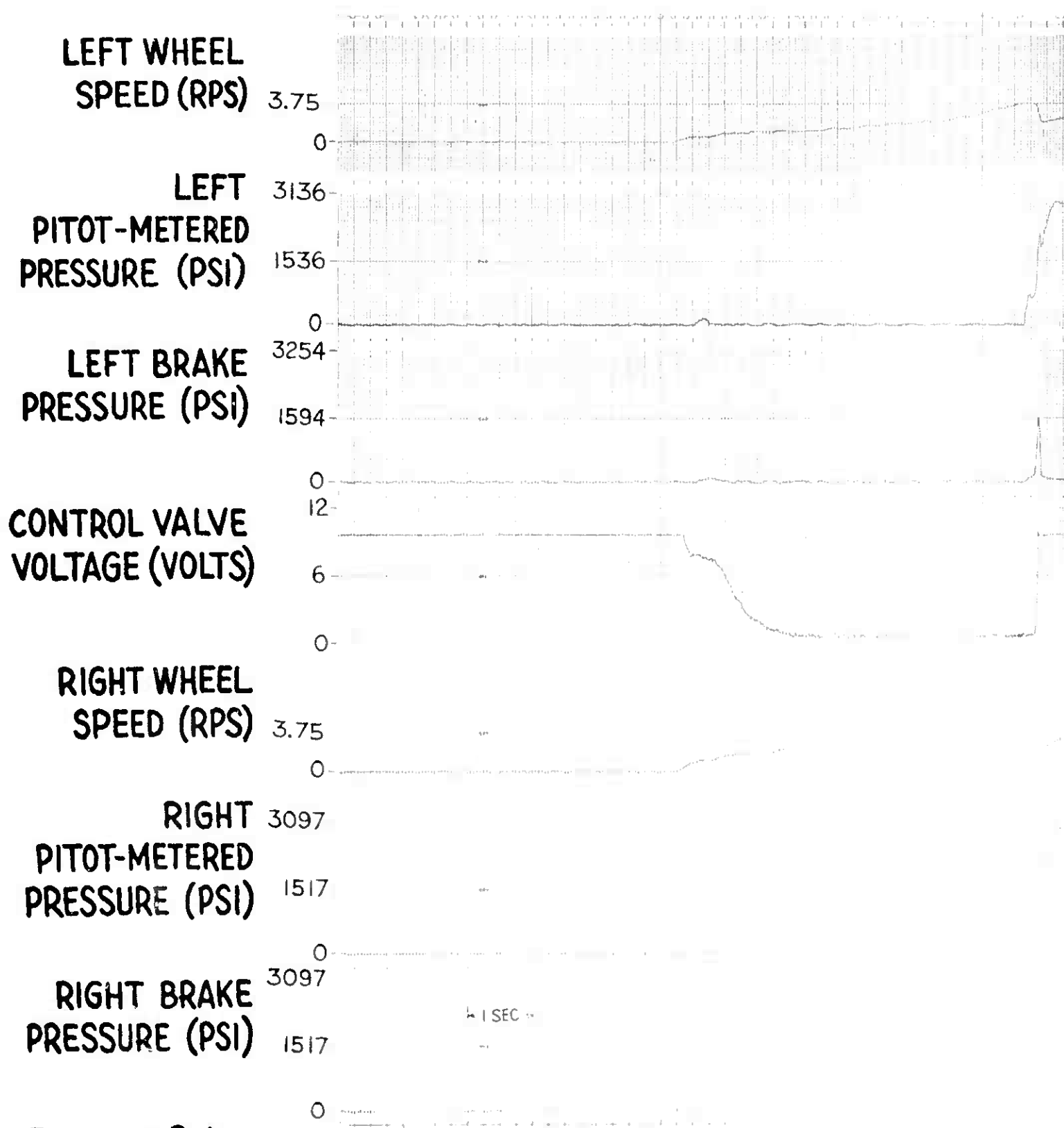
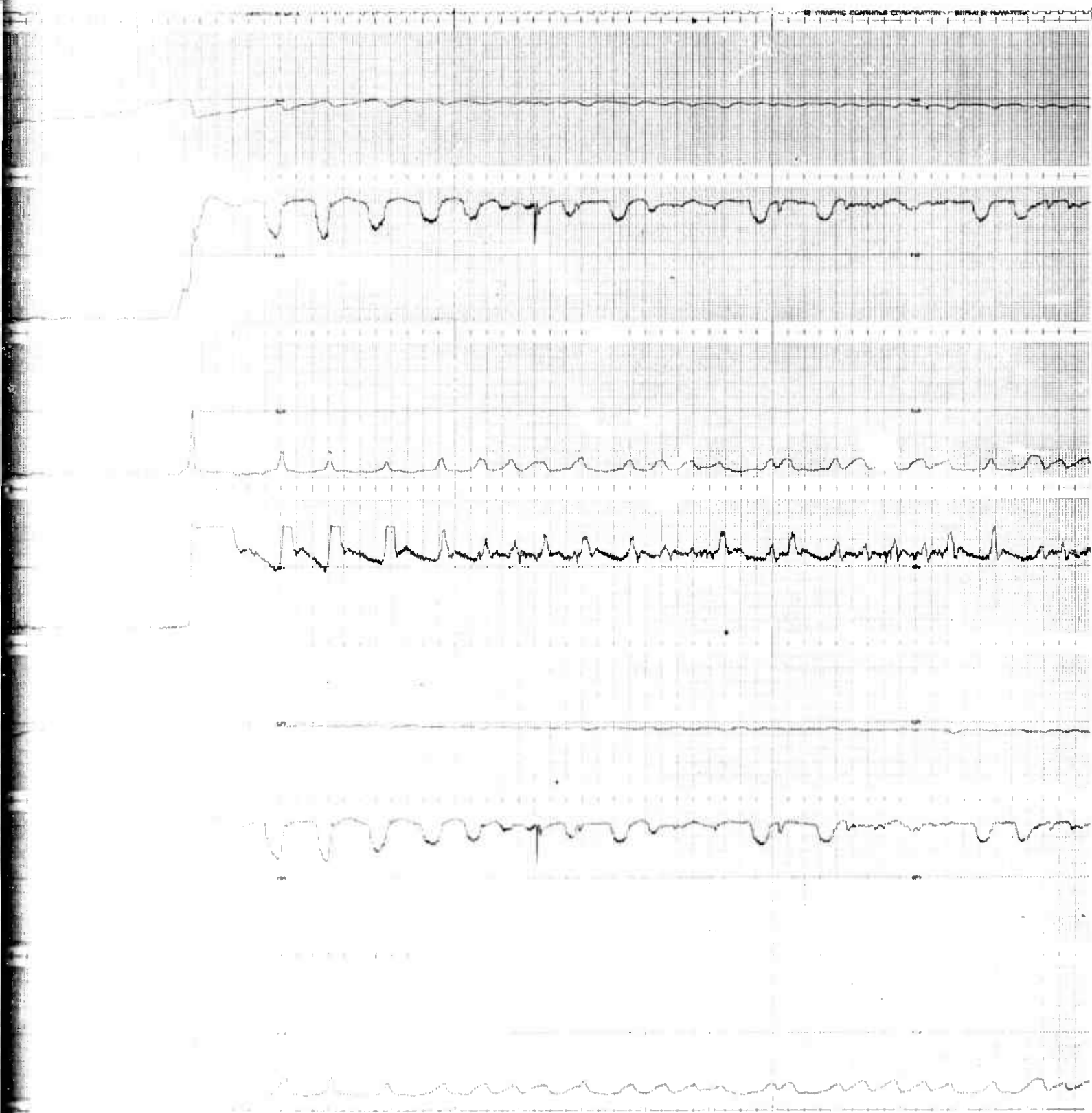


Figure 8 24



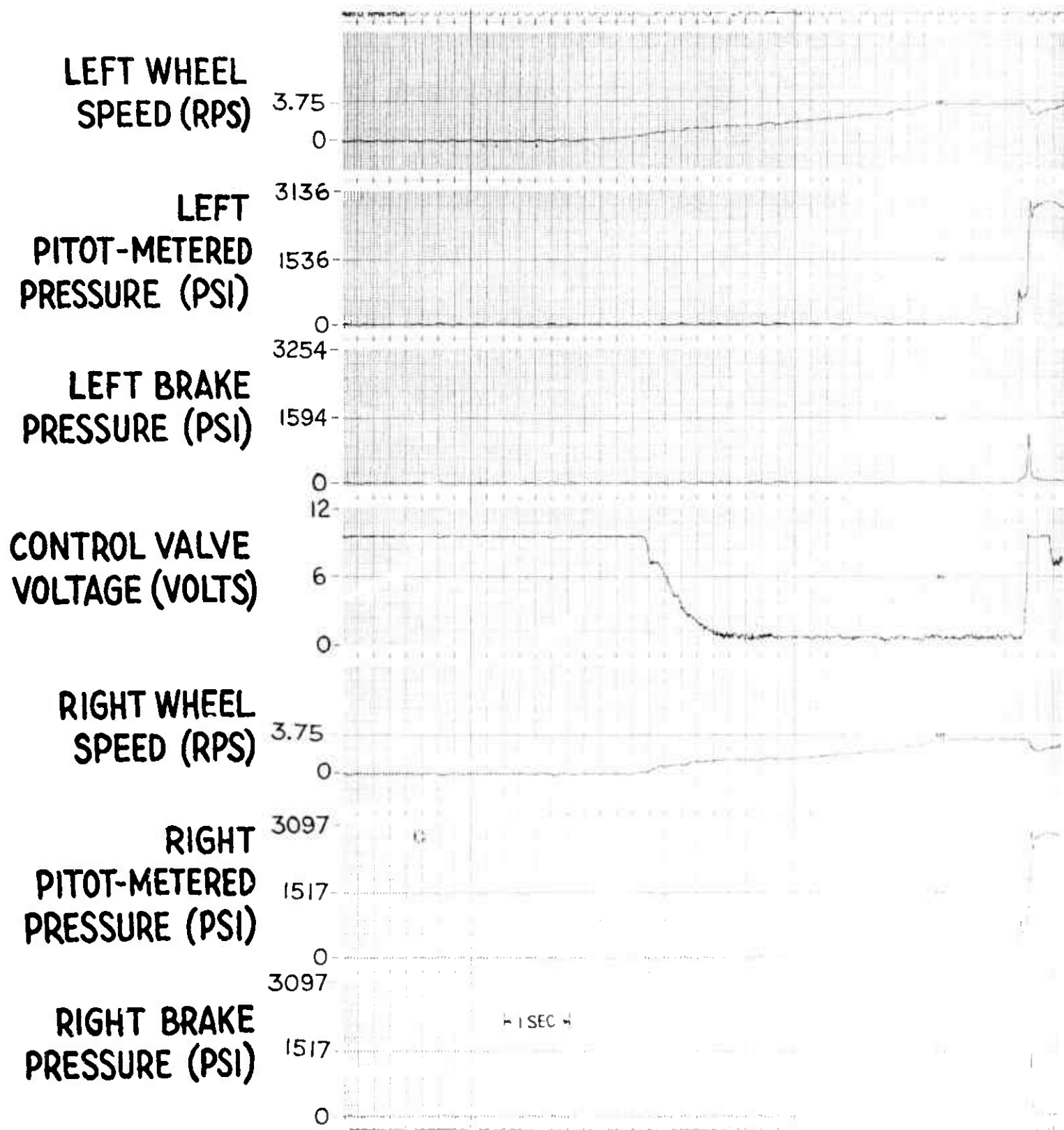
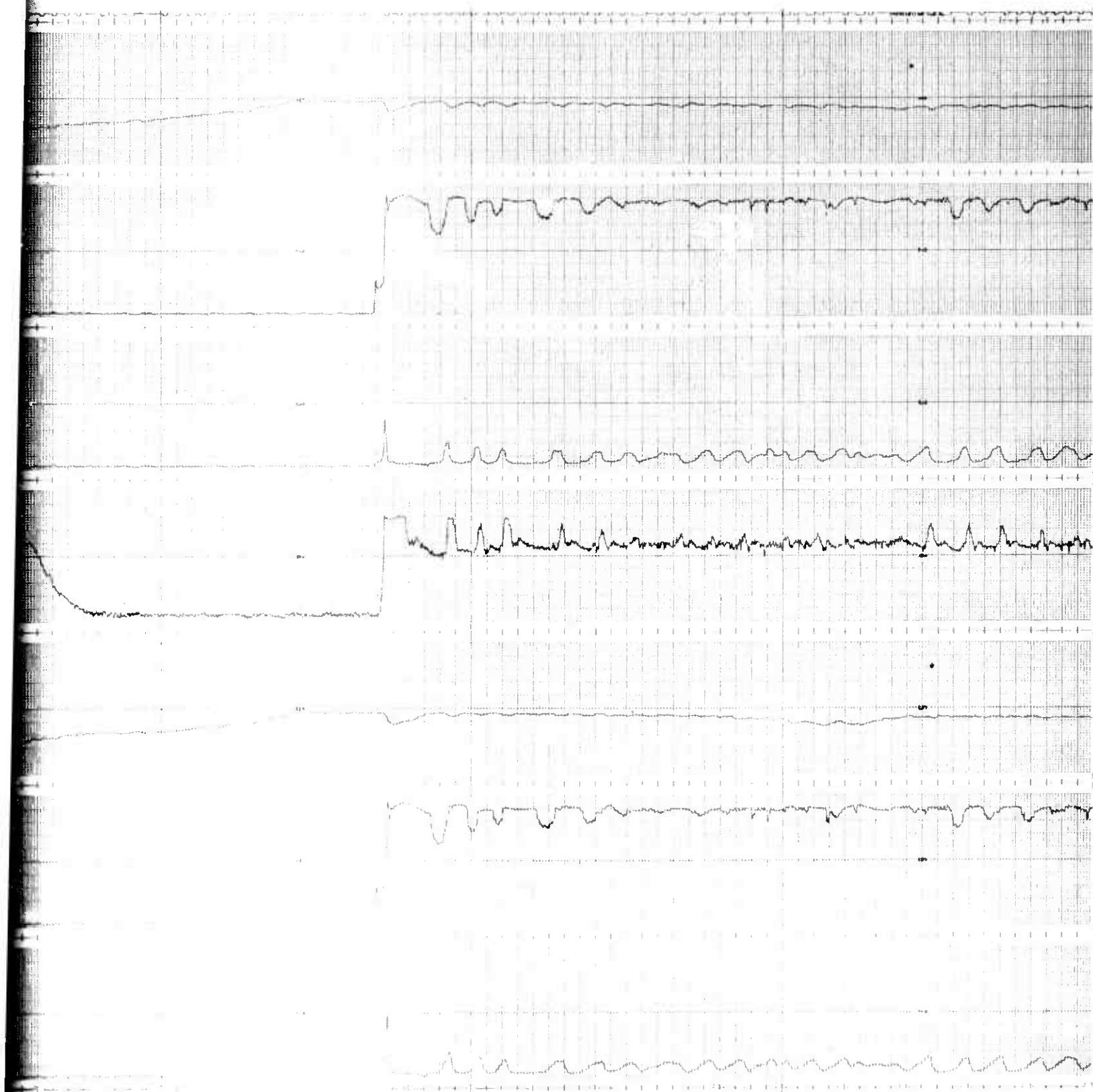


Figure B 25



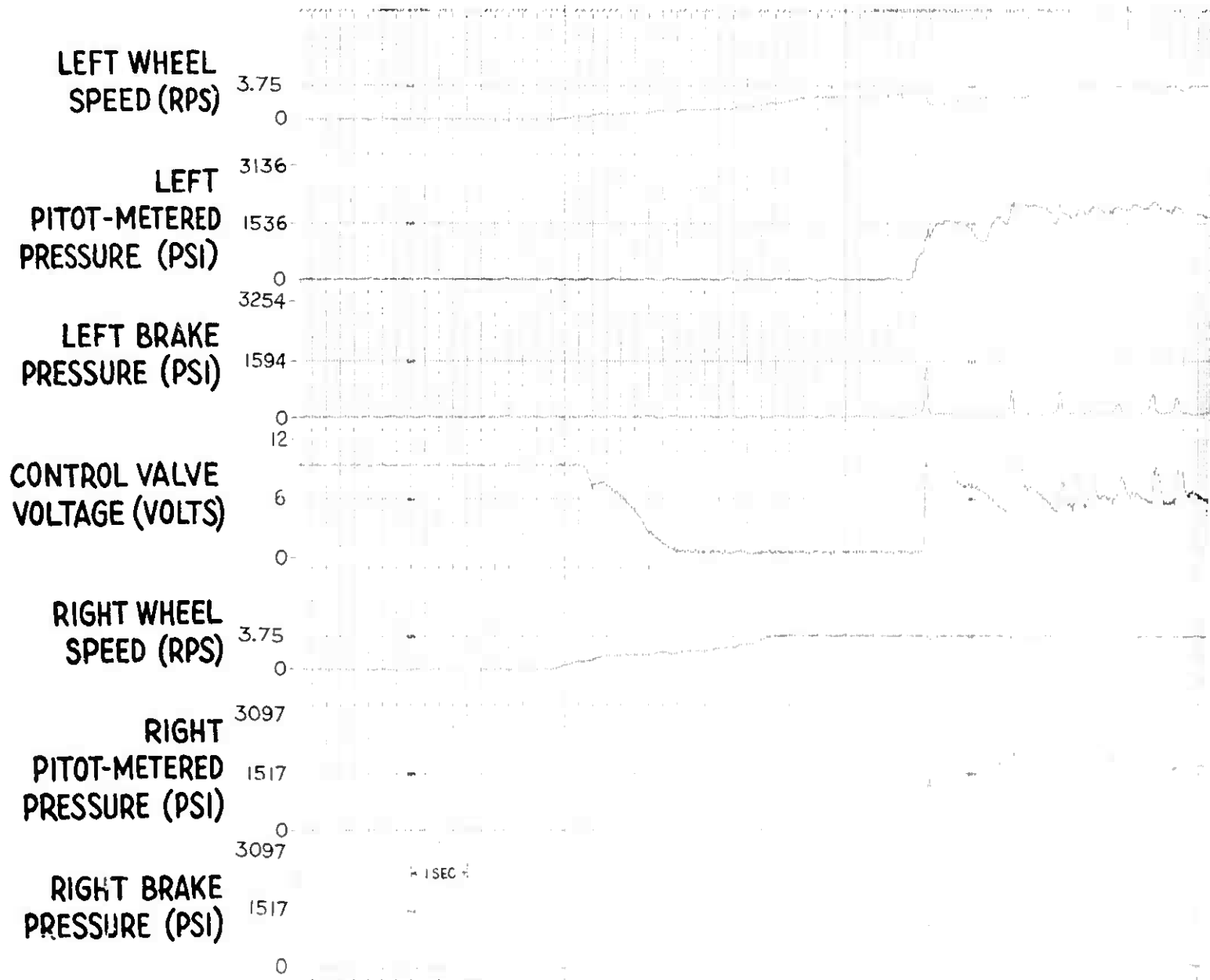
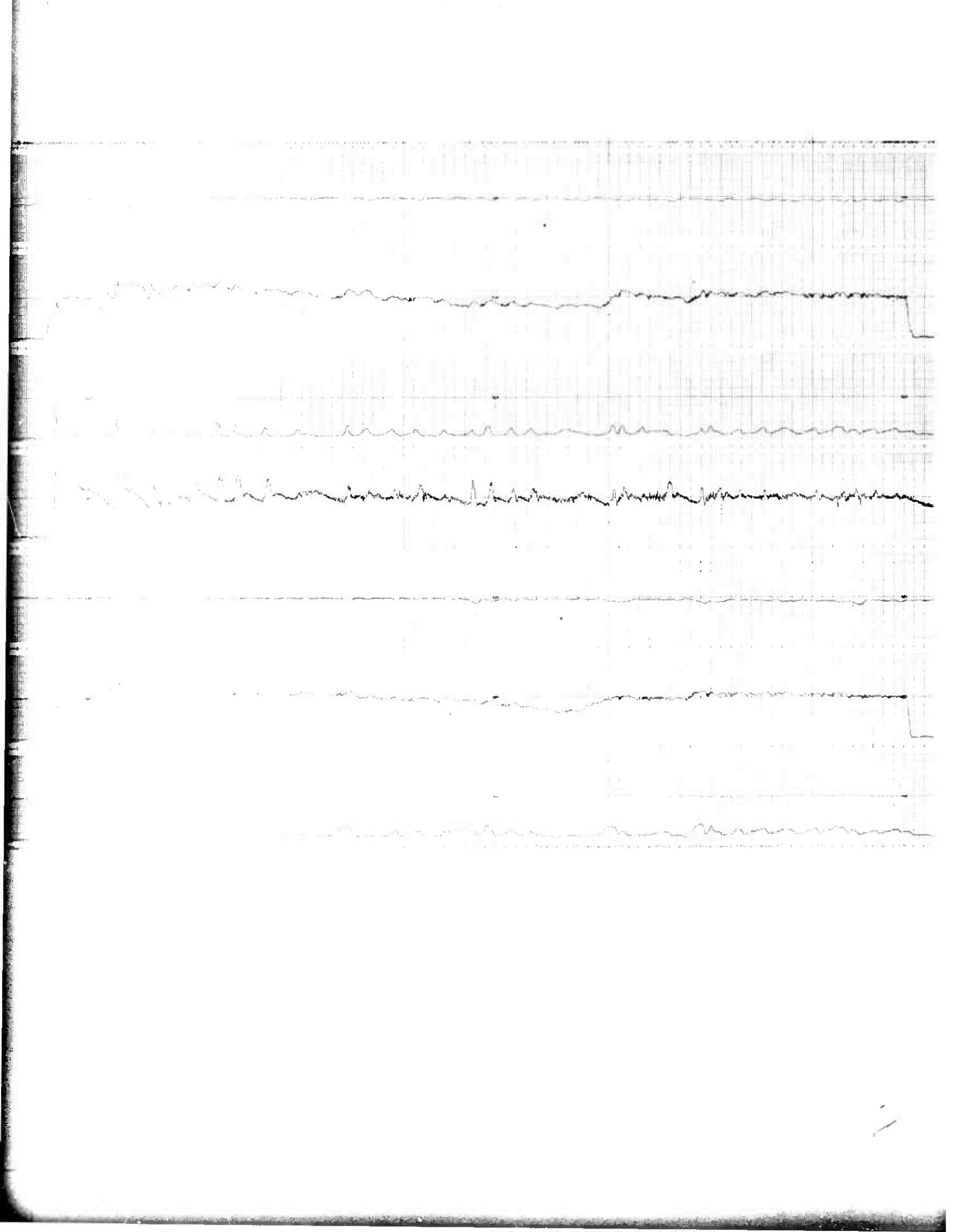


Figure B 26



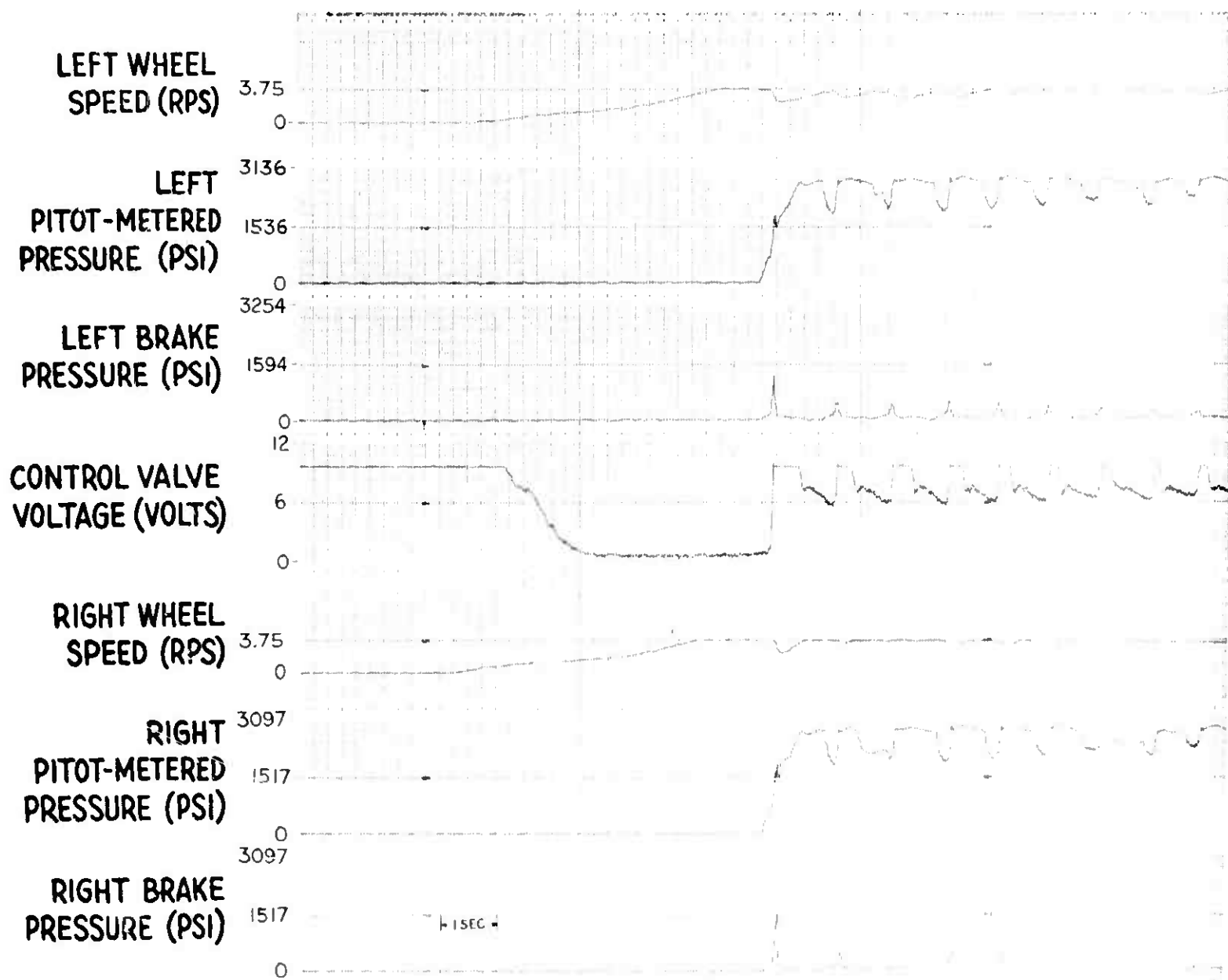
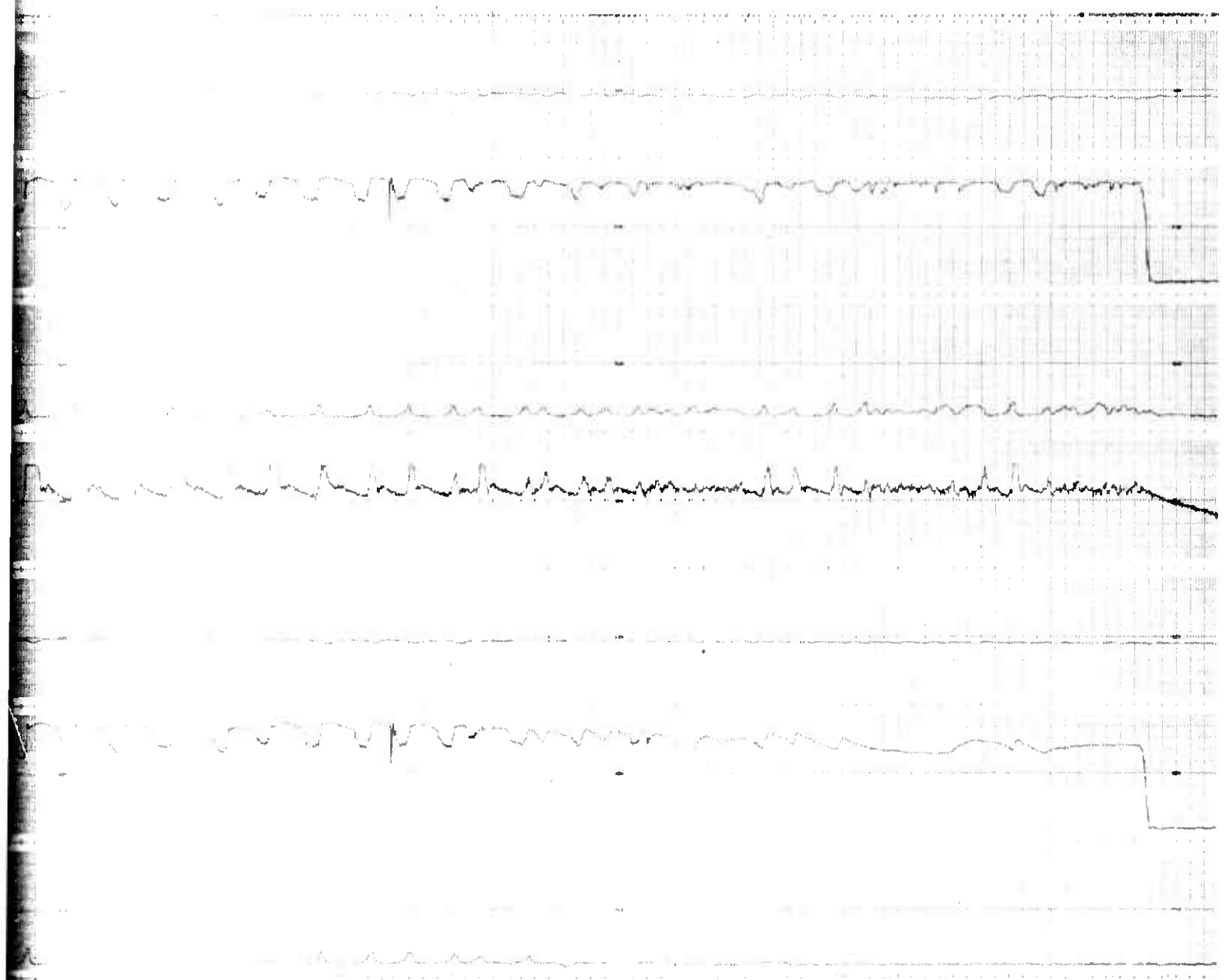


Figure B 27



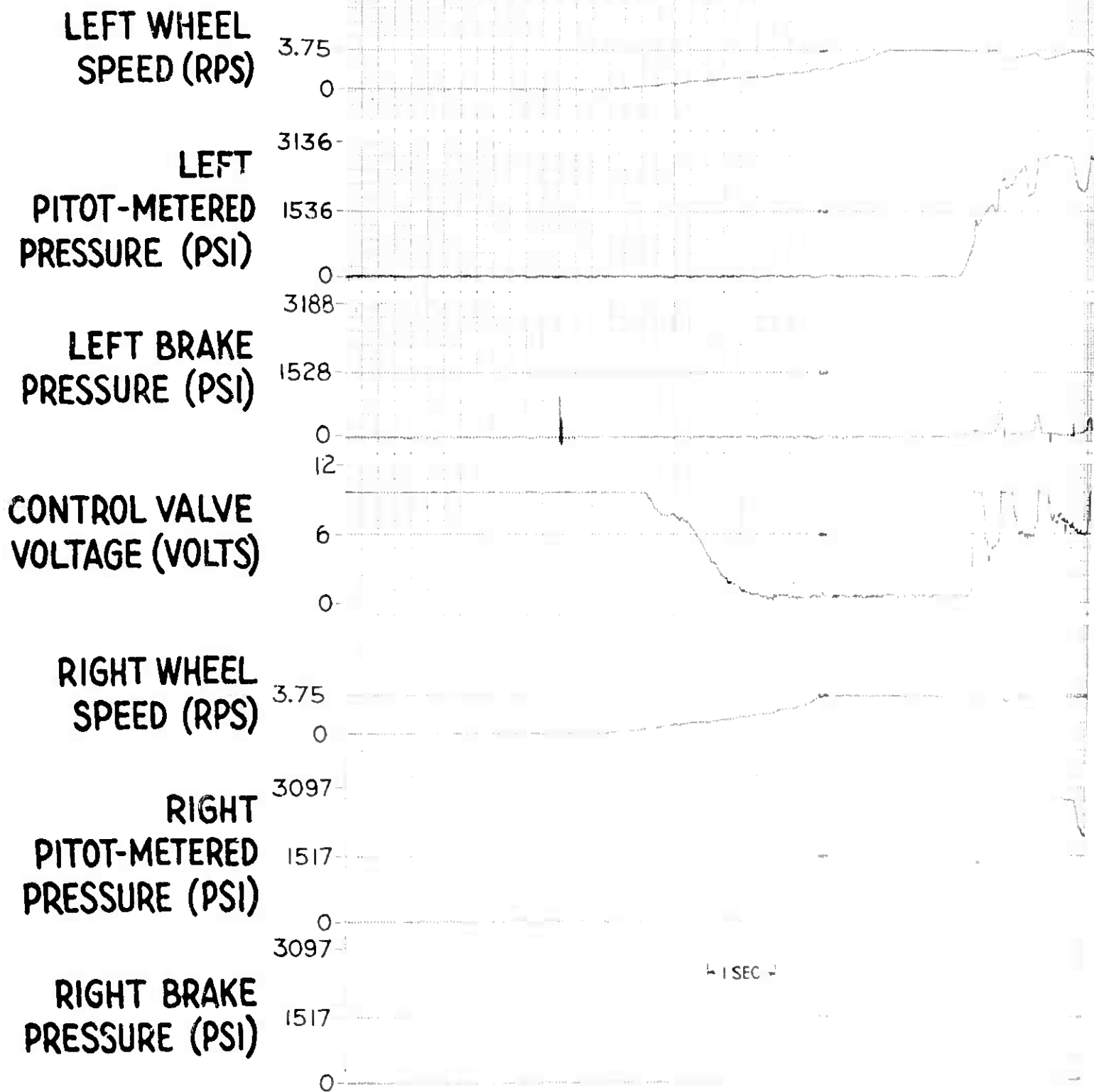
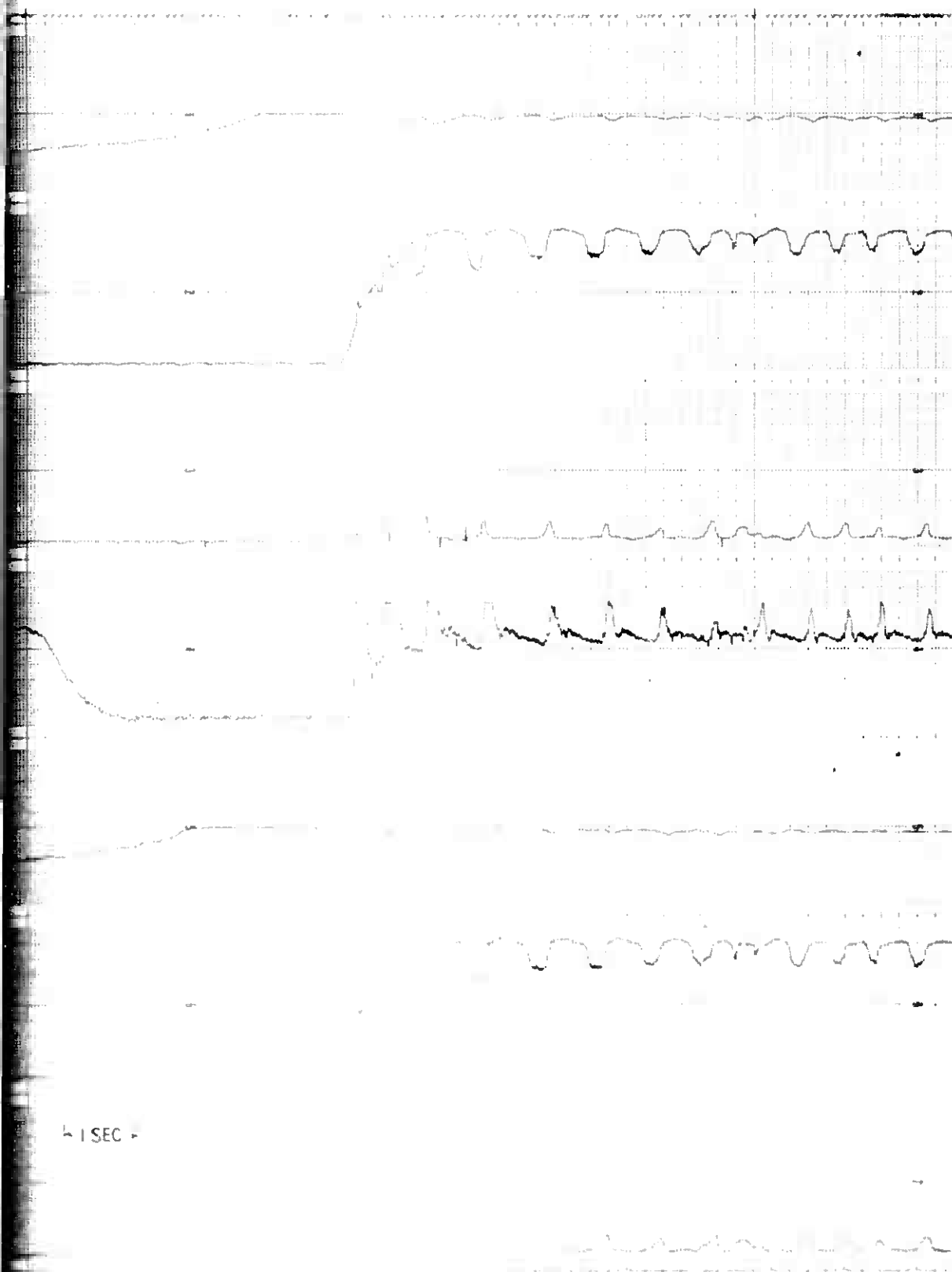


Figure B 28



1 SEC

LEFT WHEEL
SPEED (RPS)

3.75

0

LEFT
PITOT-METERED
PRESSURE (PSI)

3136

1536

0

LEFT BRAKE
PRESSURE (PSI)

3188

1528

0

12

CONTROL VALVE
VOLTAGE (VOLTS)

6

0

RIGHT WHEEL
SPEED (RPS)

3.75

0

RIGHT
PITOT-METERED
PRESSURE (PSI)

3097

1517

0

RIGHT BRAKE
PRESSURE (PSI)

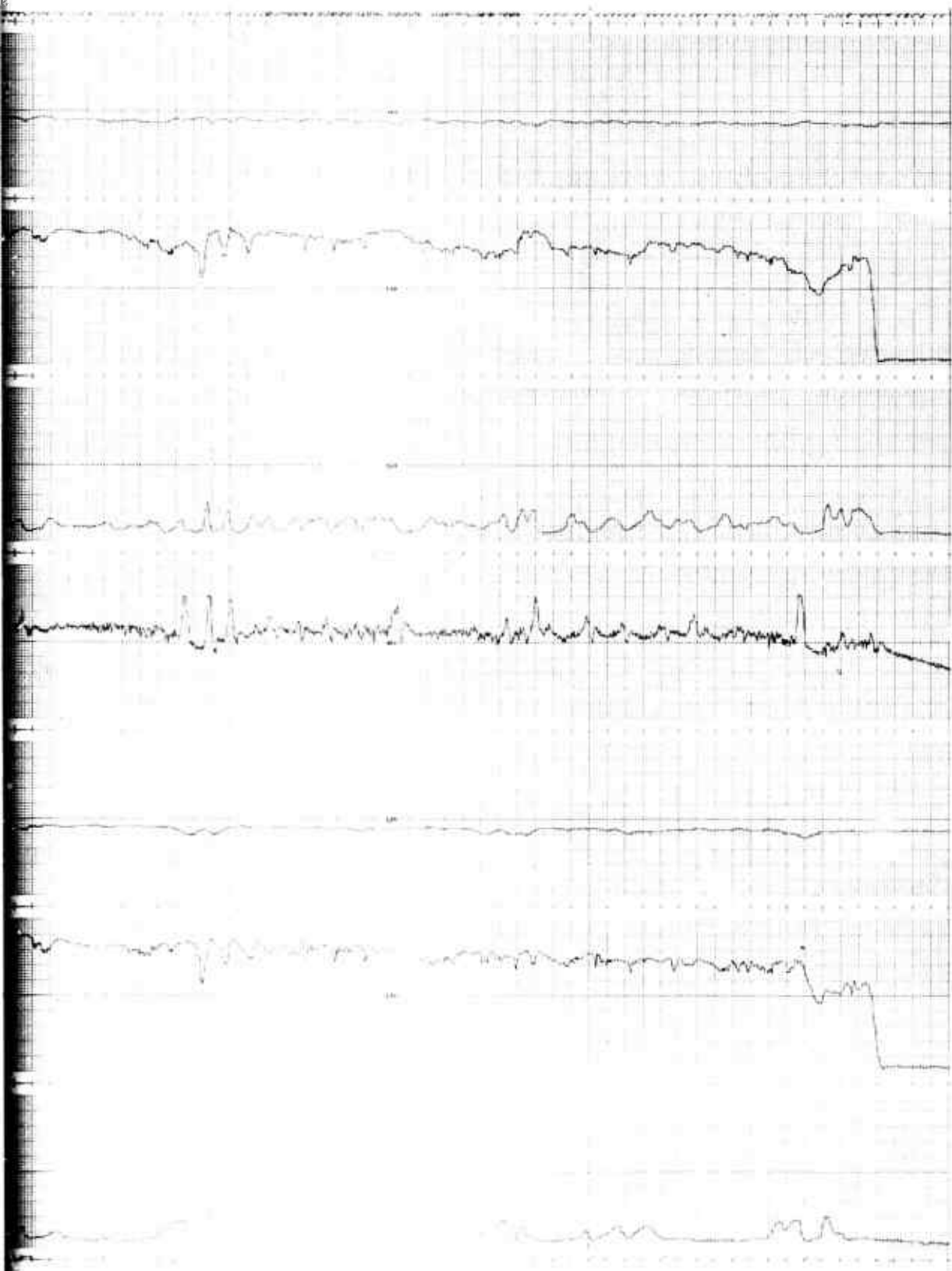
3097

1517

0

1 SEC

Figure B28
(Concluded)



LEFT WHEEL
SPEED (RPS)

LEFT
PITOT-METERED
PRESSURE (PSI)

LEFT BRAKE
PRESSURE (PSI)

CONTROL VALVE
VOLTAGE (VOLTS)

RIGHT WHEEL
SPEED (RPS)

RIGHT
PITOT-METERED
PRESSURE (PSI)

RIGHT BRAKE
PRESSURE (PSI)

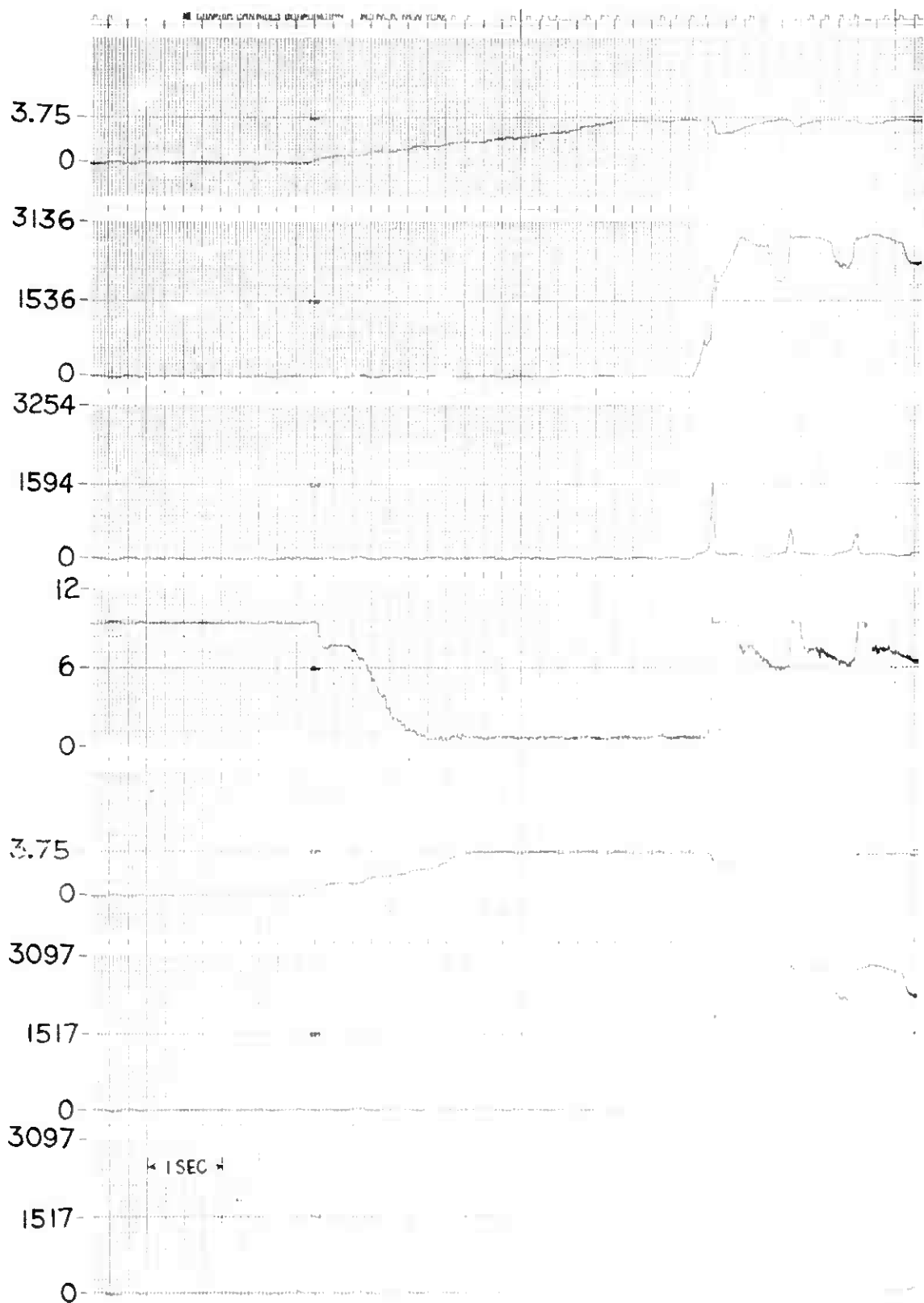
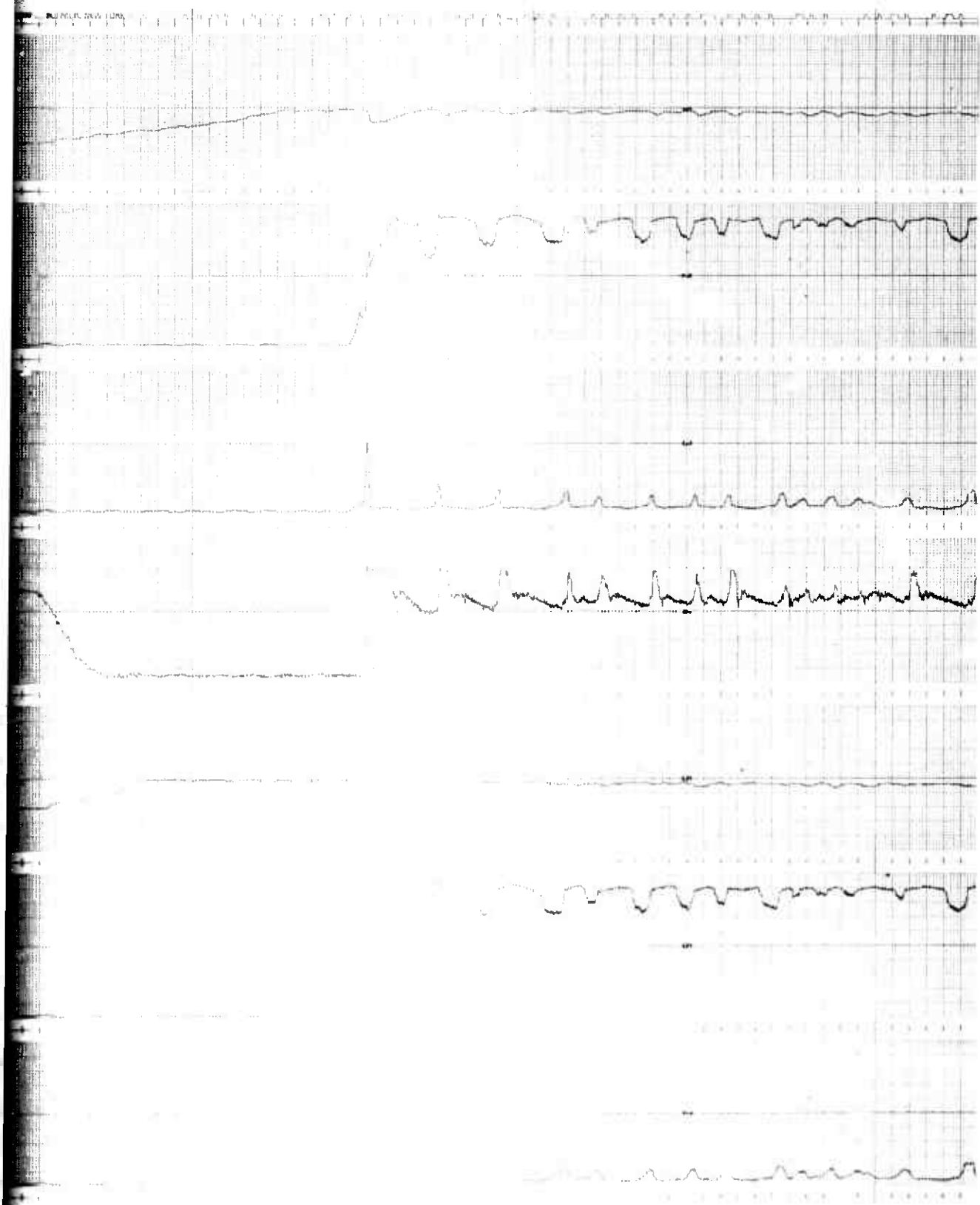


Figure B 29



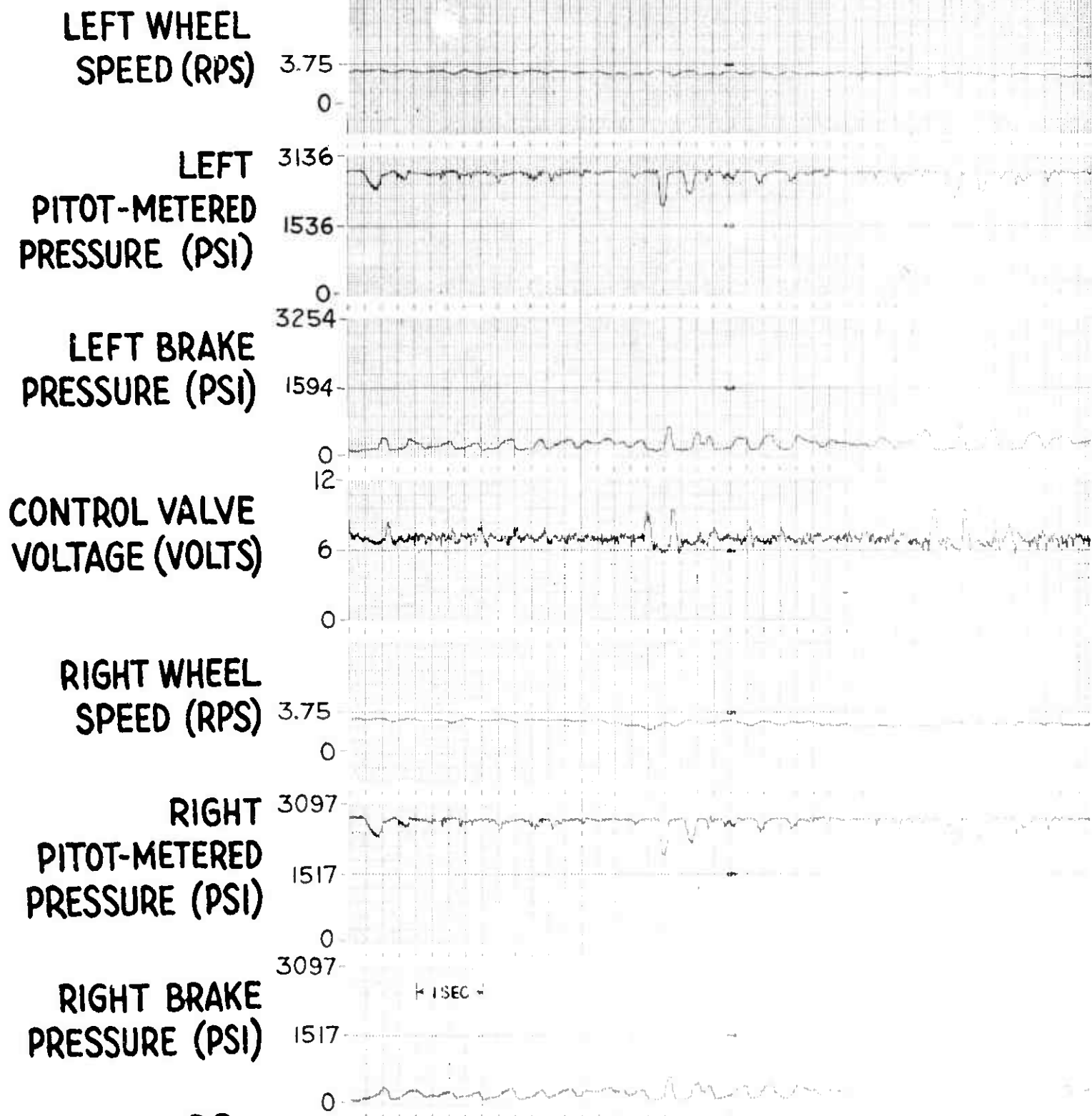
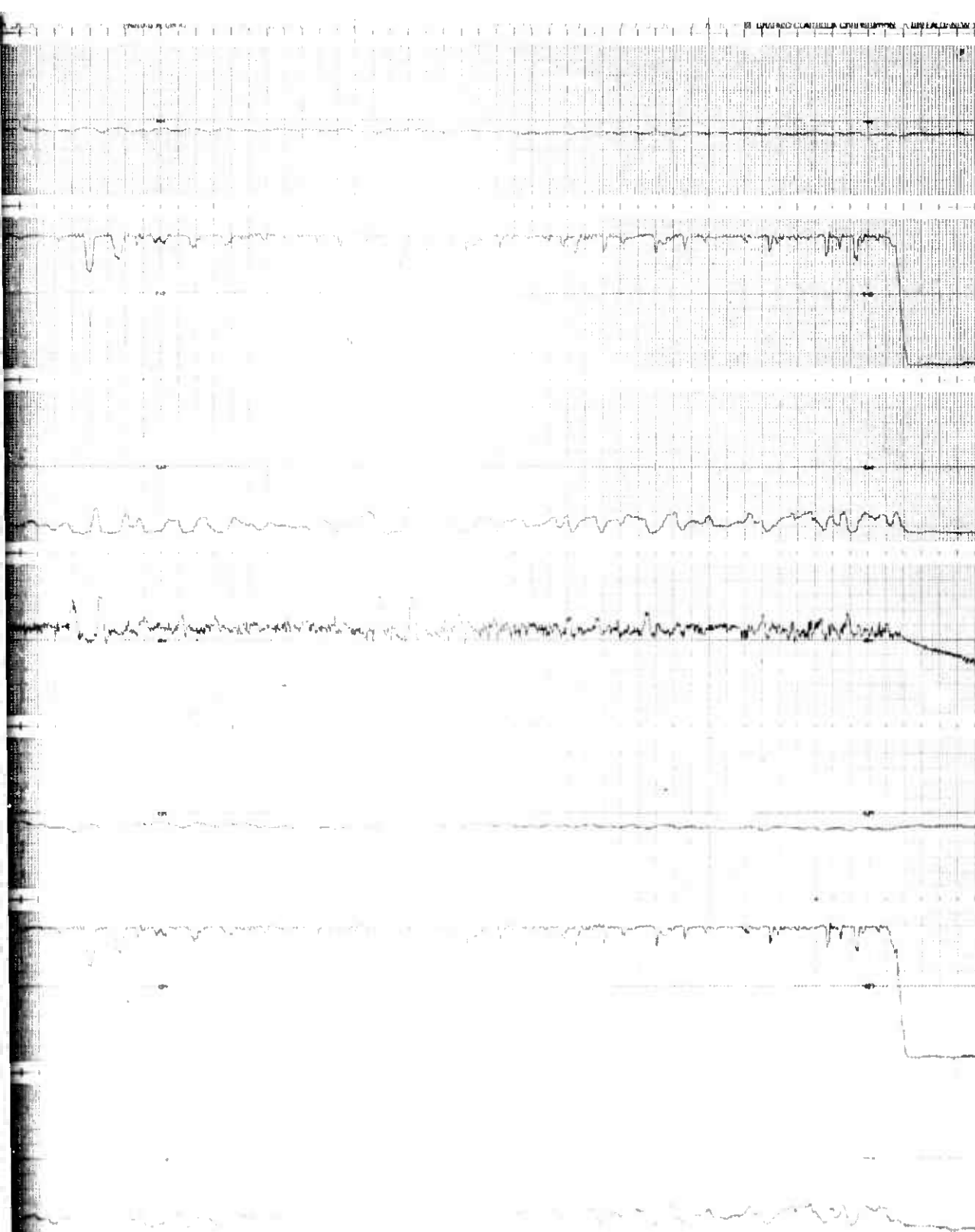


Figure B29
(Concluded)



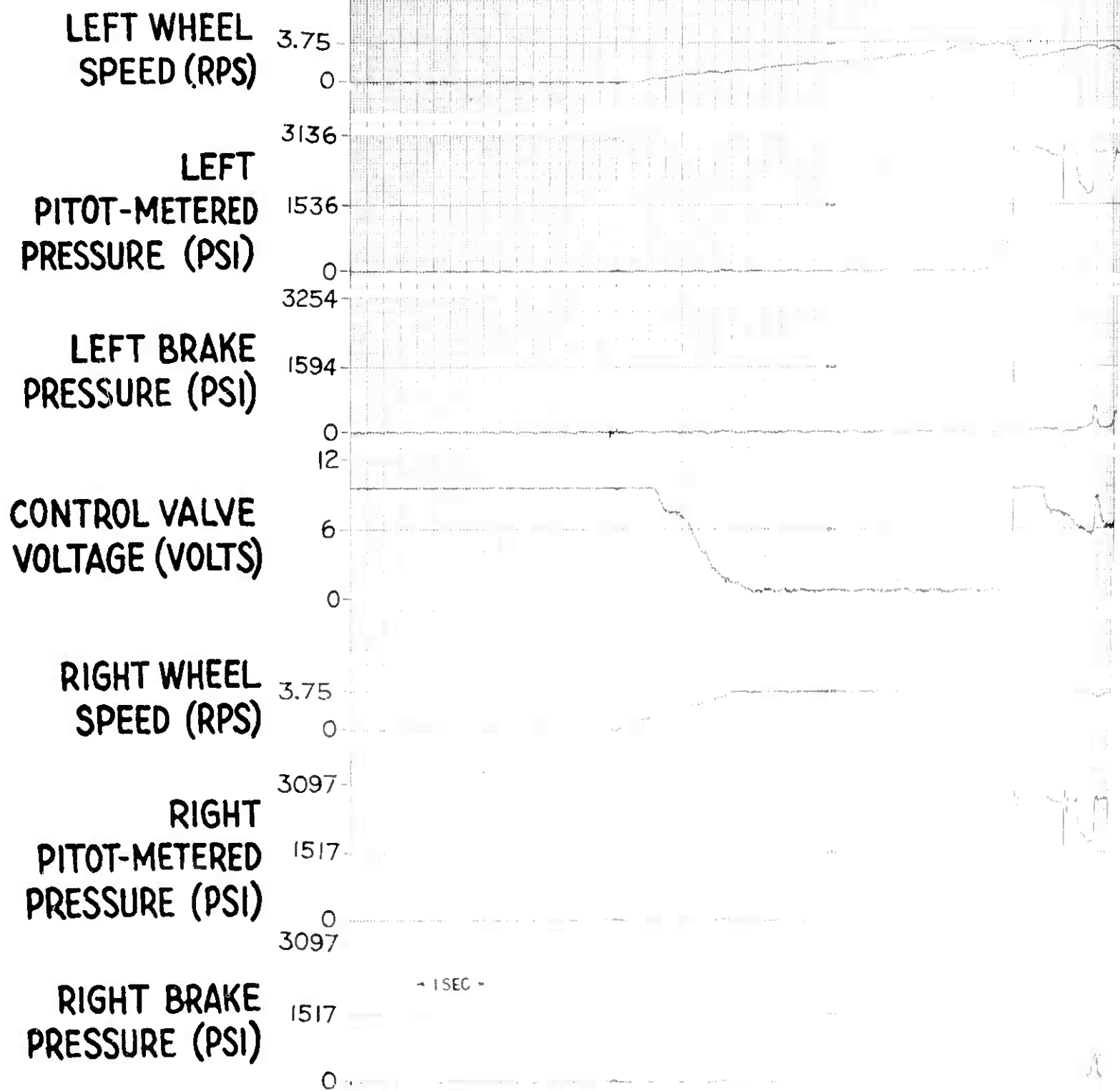
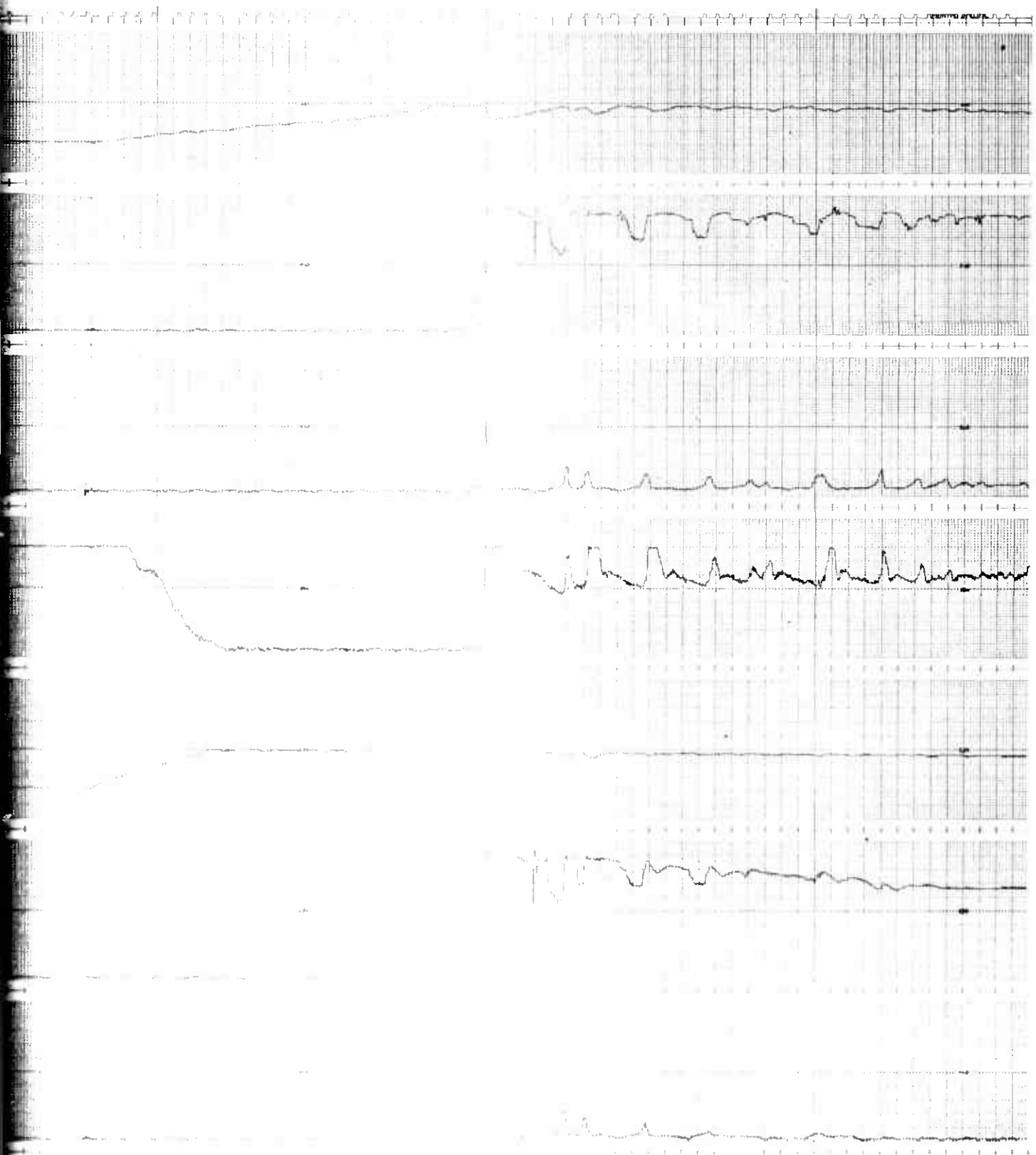


Figure B 30



LEFT WHEEL
SPEED (RPS)

LEFT
PITOT-METERED
PRESSURE (PSI)

LEFT BRAKE
PRESSURE (PSI)

CONTROL VALVE
VOLTAGE (VOLTS)

RIGHT WHEEL
SPEED (RPS)

RIGHT
PITOT-METERED
PRESSURE (PSI)

RIGHT BRAKE
PRESSURE (PSI)

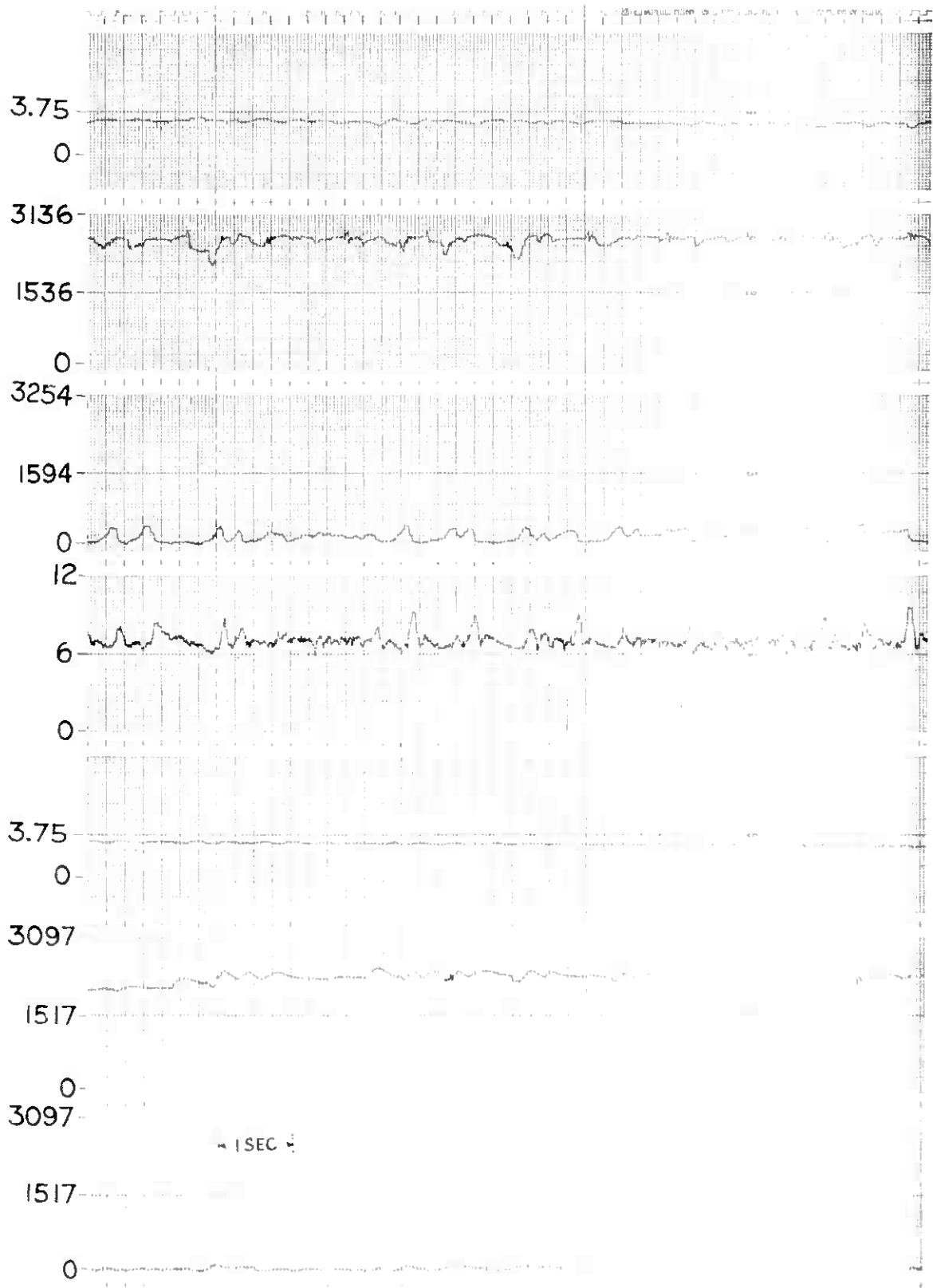
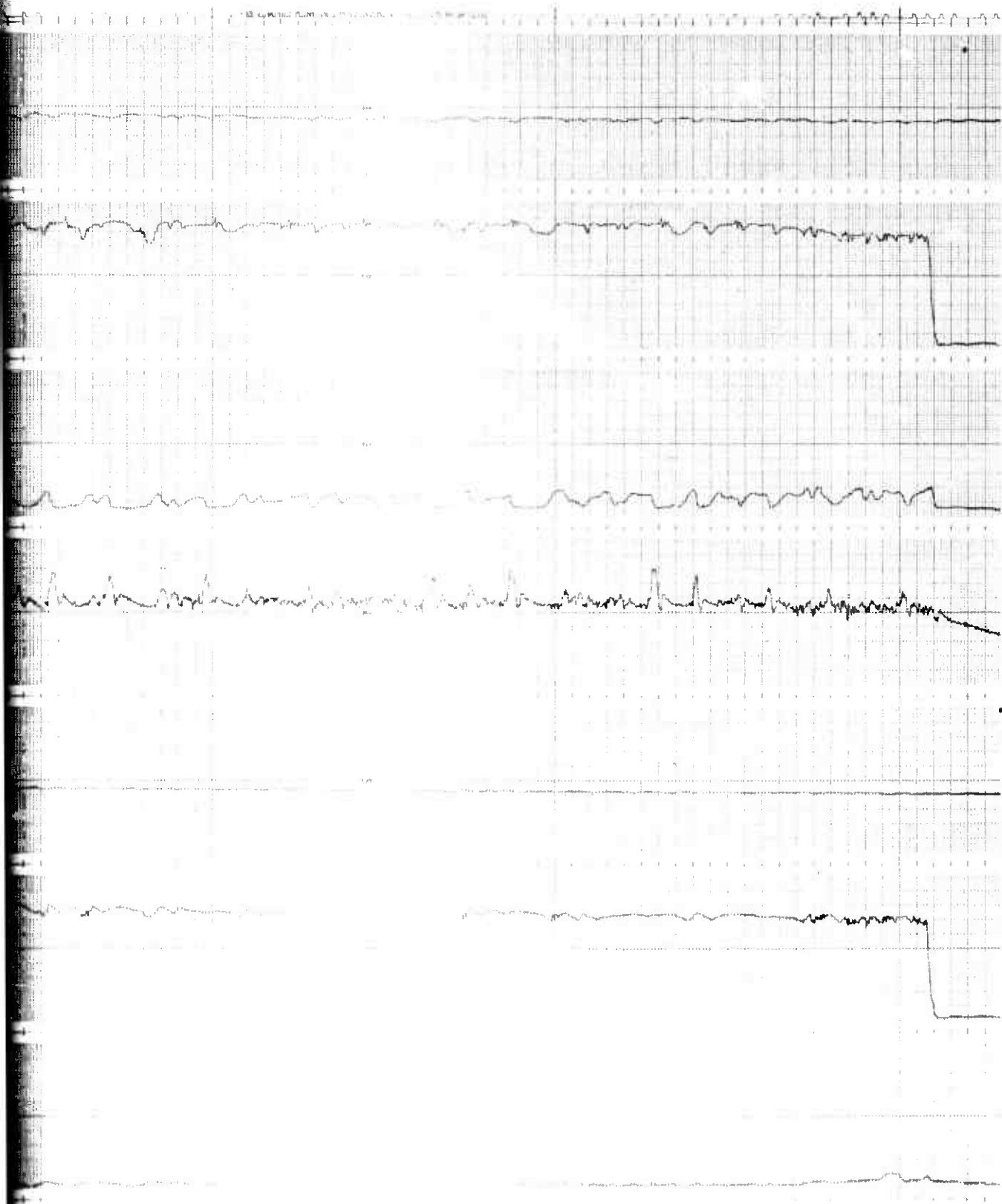


Figure B 30
(Concluded)



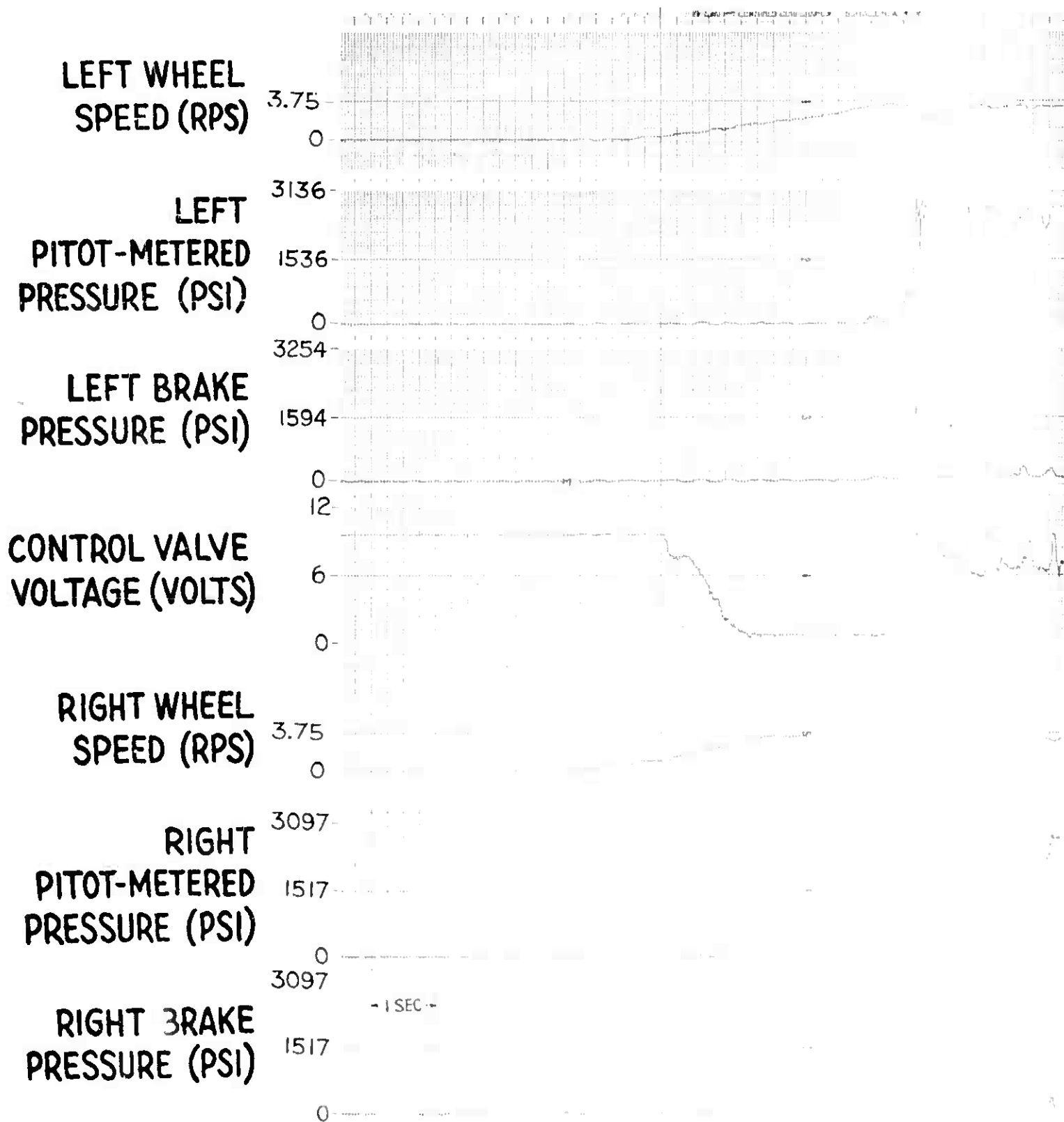
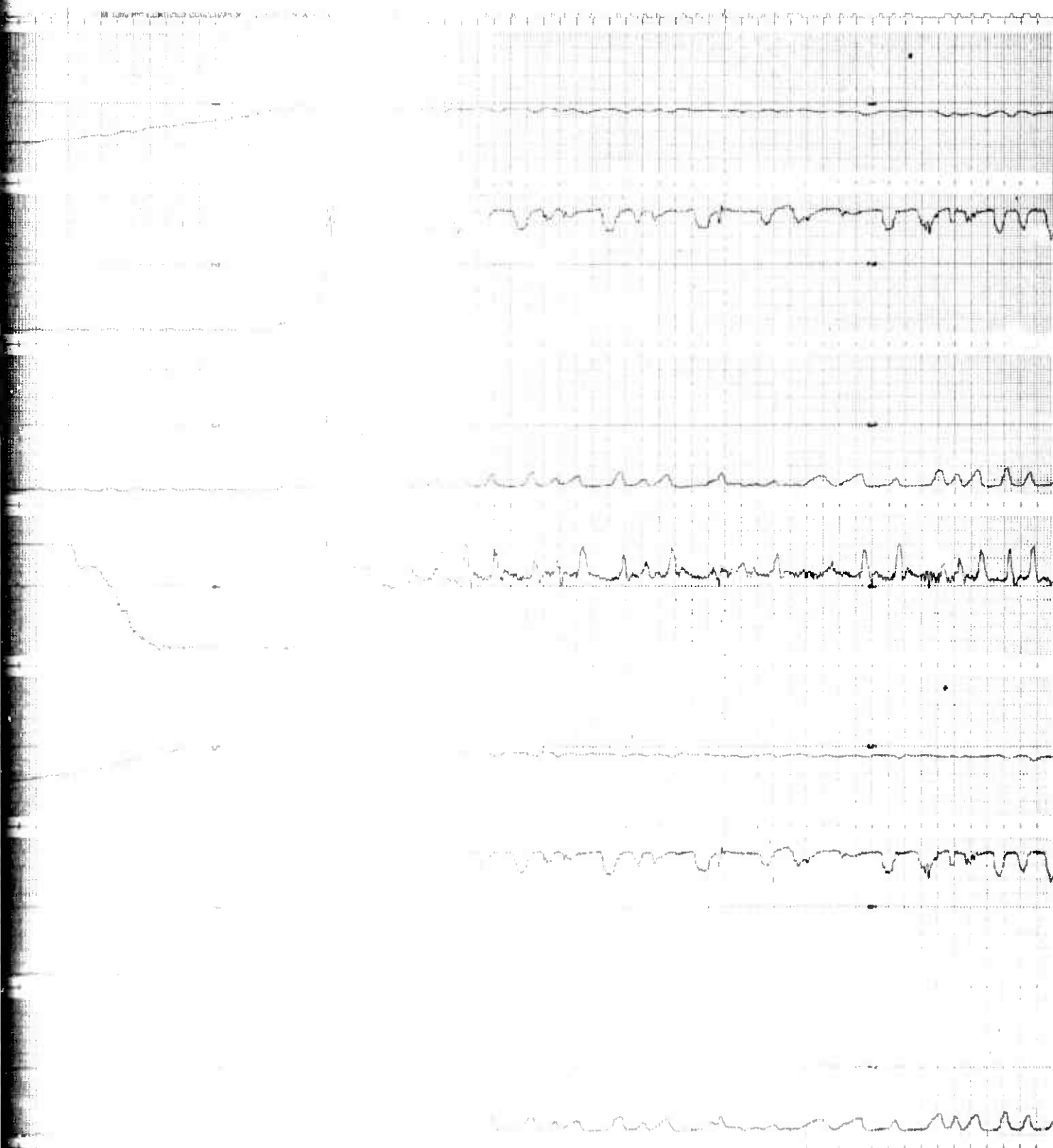


Figure B 31



LEFT WHEEL
SPEED (RPS)

3.75
0

LEFT
PITOT-METERED
PRESSURE (PSI)

3136

1536

0

3254

LEFT BRAKE
PRESSURE (PSI)

1594

0

12

CONTROL VALVE
VOLTAGE (VOLTS)

6

0

RIGHT WHEEL
SPEED (RPS)

3.75

0

RIGHT
PITOT-METERED
PRESSURE (PSI)

3097

1517

0

3097

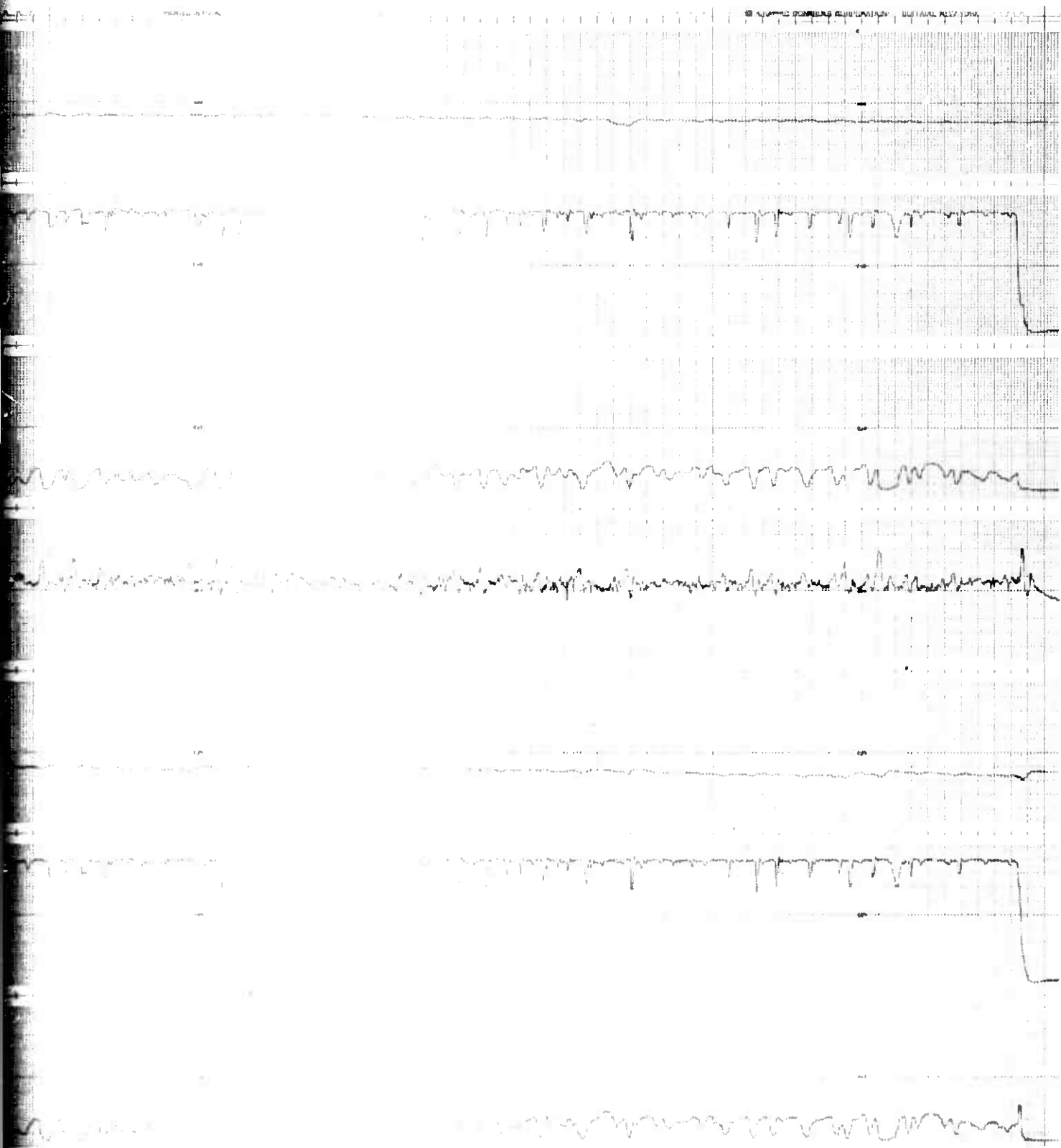
RIGHT BRAKE
PRESSURE (PSI)

1517

0

- 1 SEC -

Figure B 31
(Concluded)



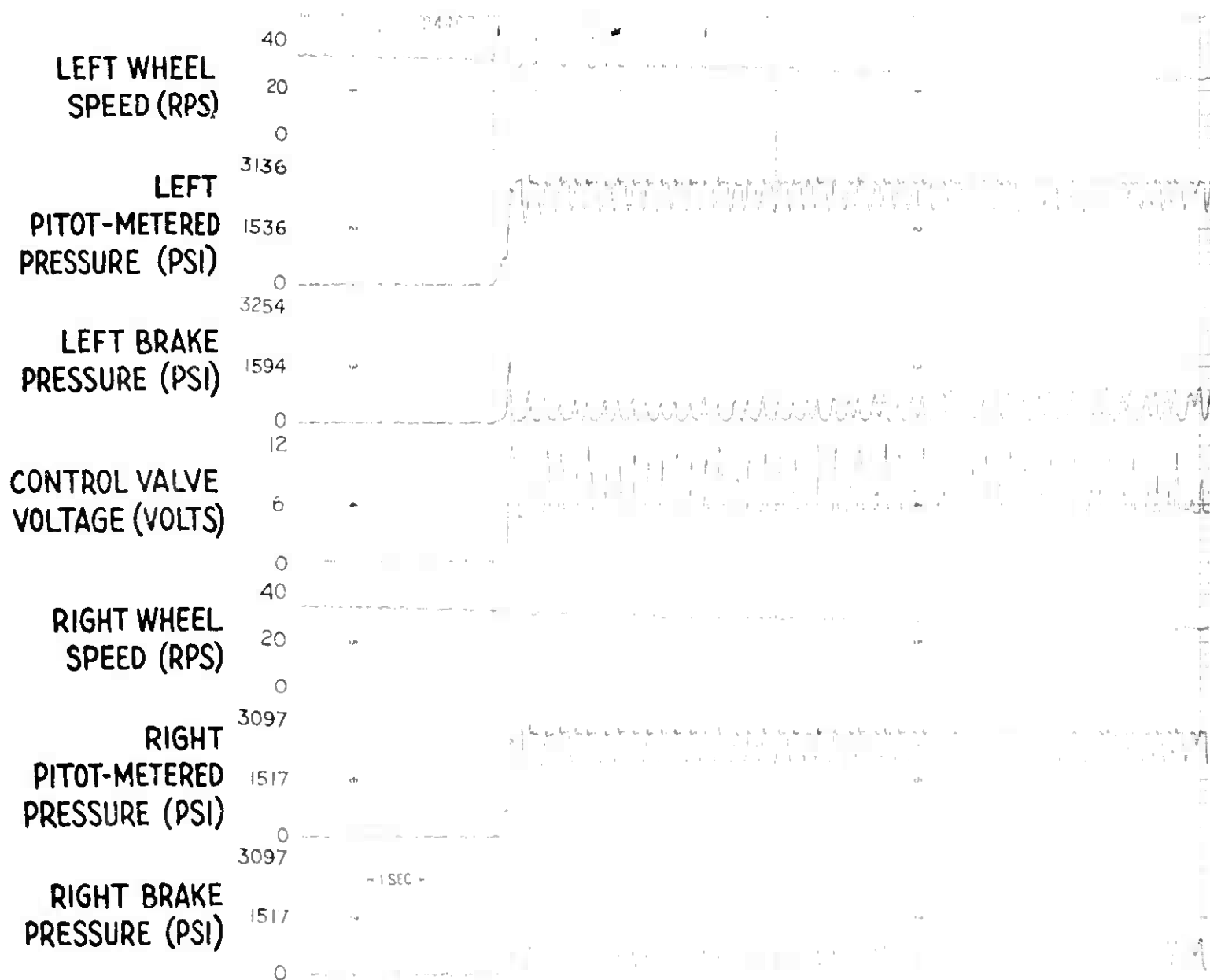
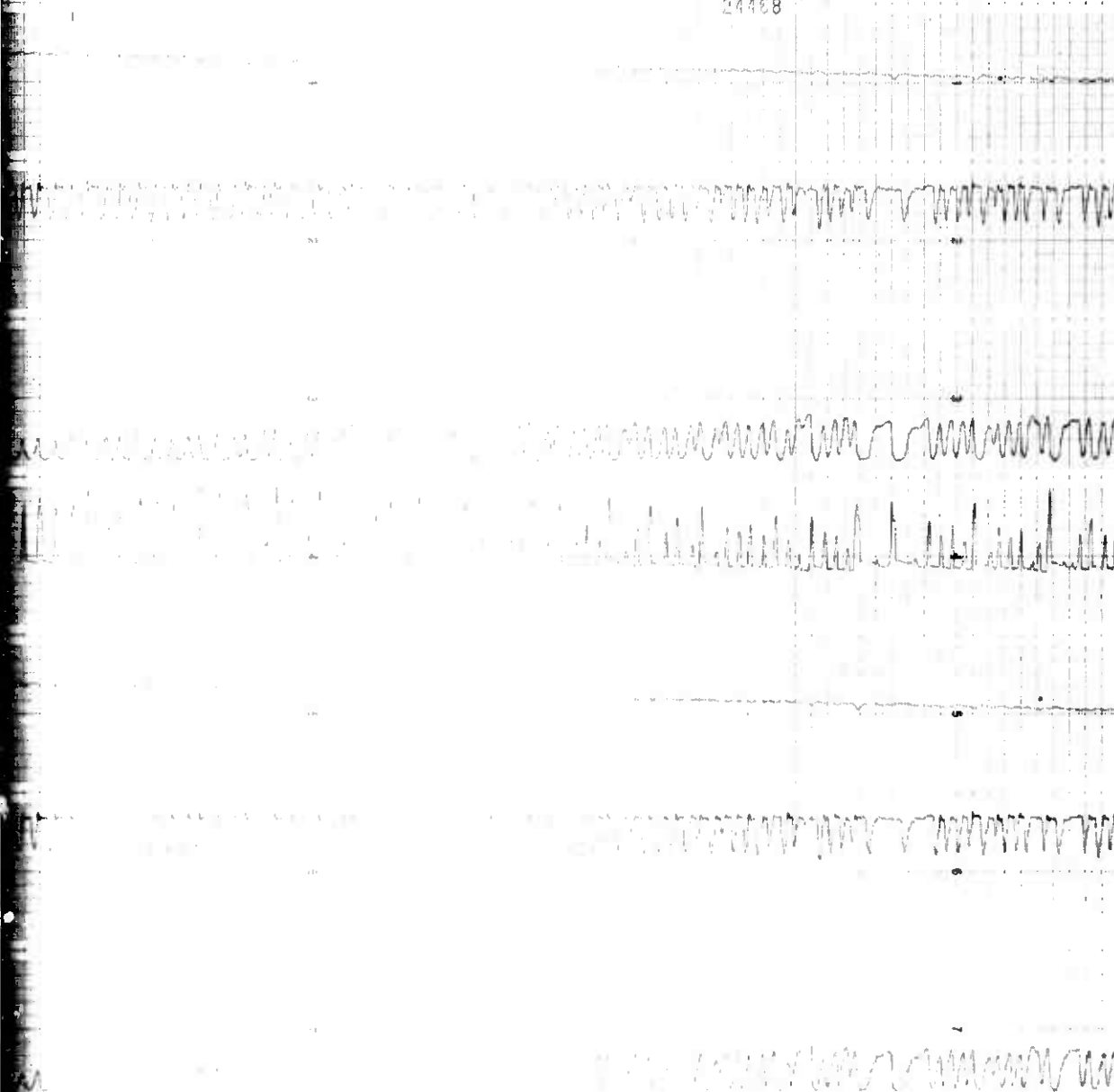


Figure B 32

24468

BRUSH ACCUCHART



LEFT WHEEL
SPEED (RPS)

LEFT
PITOT-METERED
PRESSURE (PSI)

LEFT BRAKE
PRESSURE (PSI)

CONTROL VALVE
VOLTAGE (VOLTS)

RIGHT WHEEL
SPEED (RPS)

RIGHT
PITOT-METERED
PRESSURE (PSI)

RIGHT BRAKE
PRESSURE (PSI)

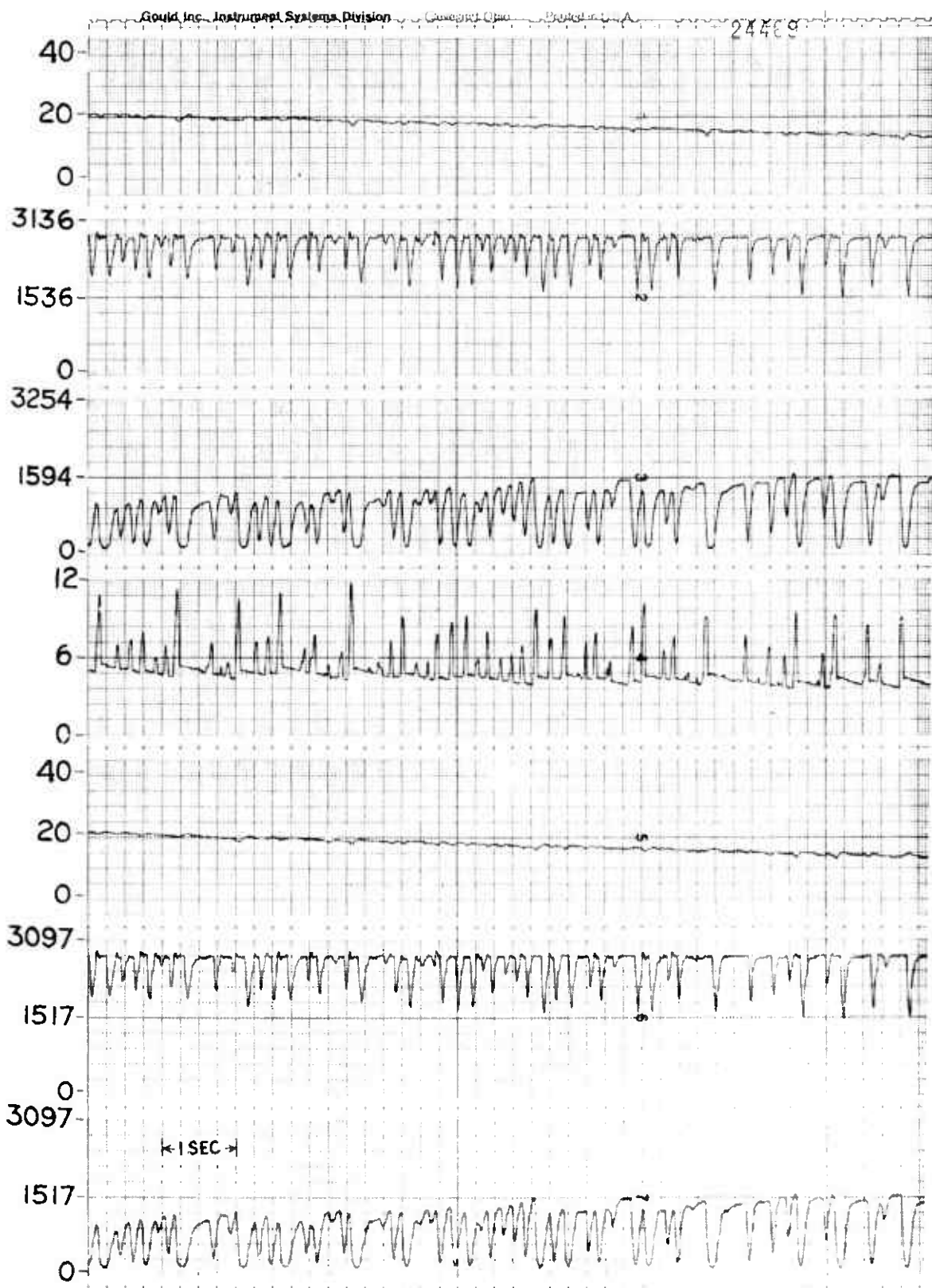
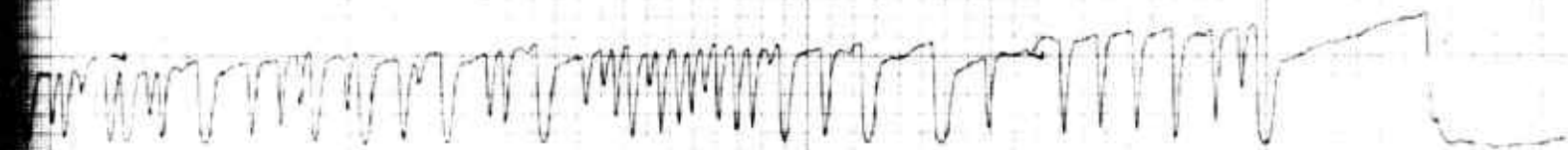
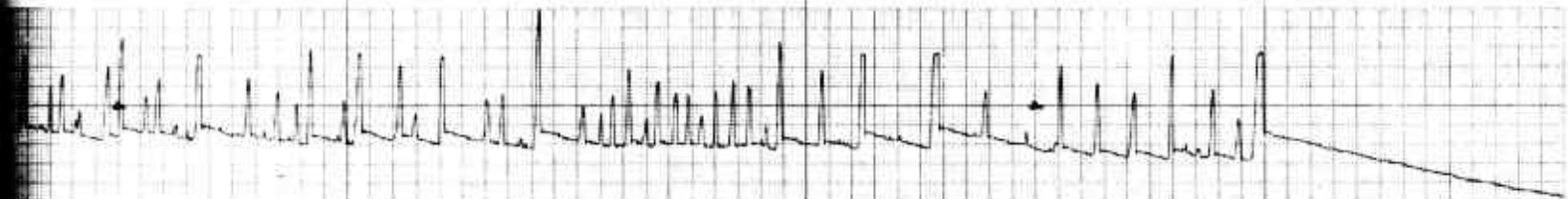


Figure B 32
(Concluded)

24400



LEFT WHEEL
SPEED (RPS)

LEFT
PITOT-METERED
PRESSURE (PSI)

LEFT BRAKE
PRESSURE (PSI)

CONTROL VALVE
VOLTAGE (VOLTS)

RIGHT WHEEL
SPEED (RPS)

RIGHT
PITOT-METERED
PRESSURE (PSI)

RIGHT BRAKE
PRESSURE (PSI)

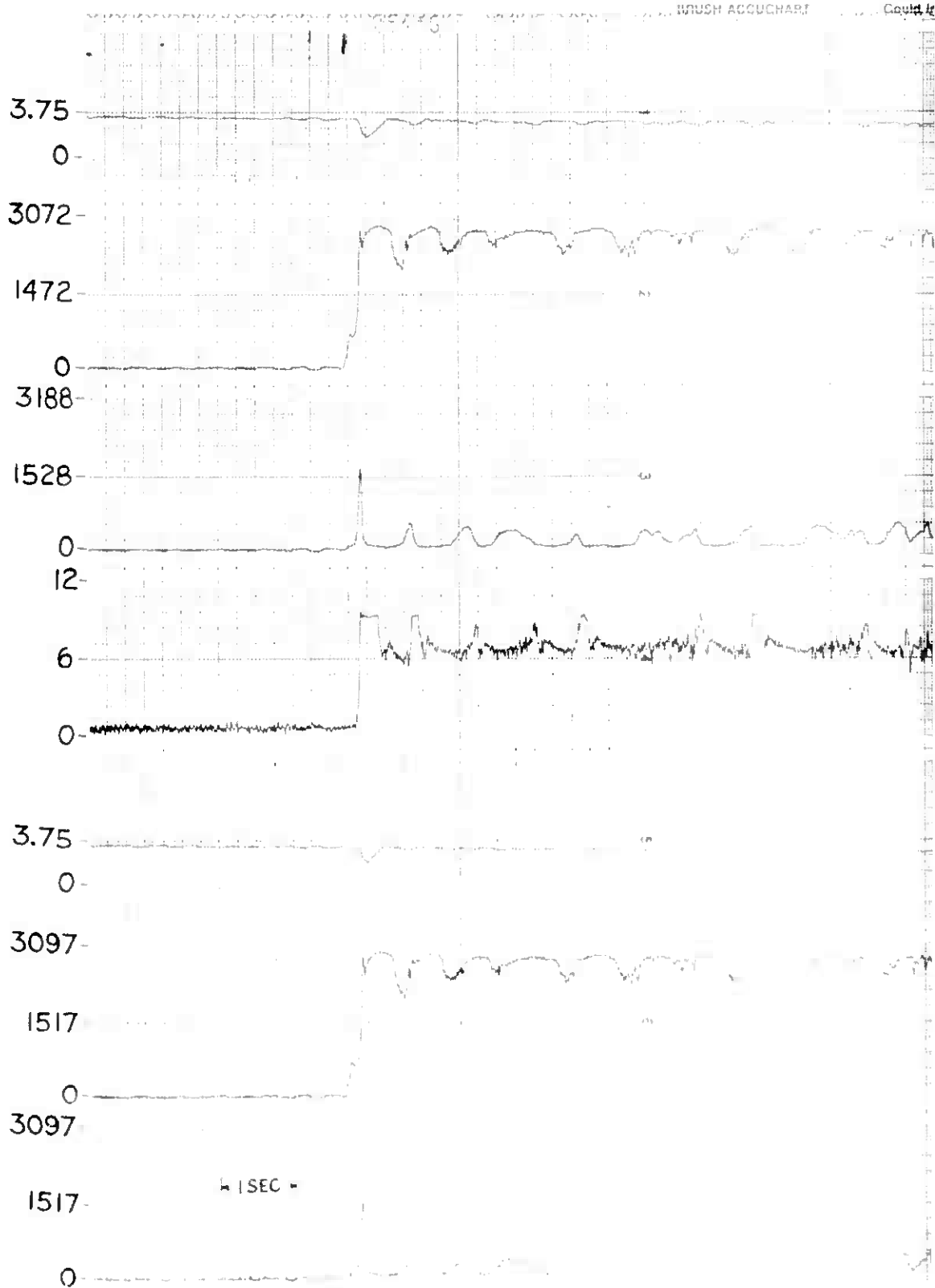
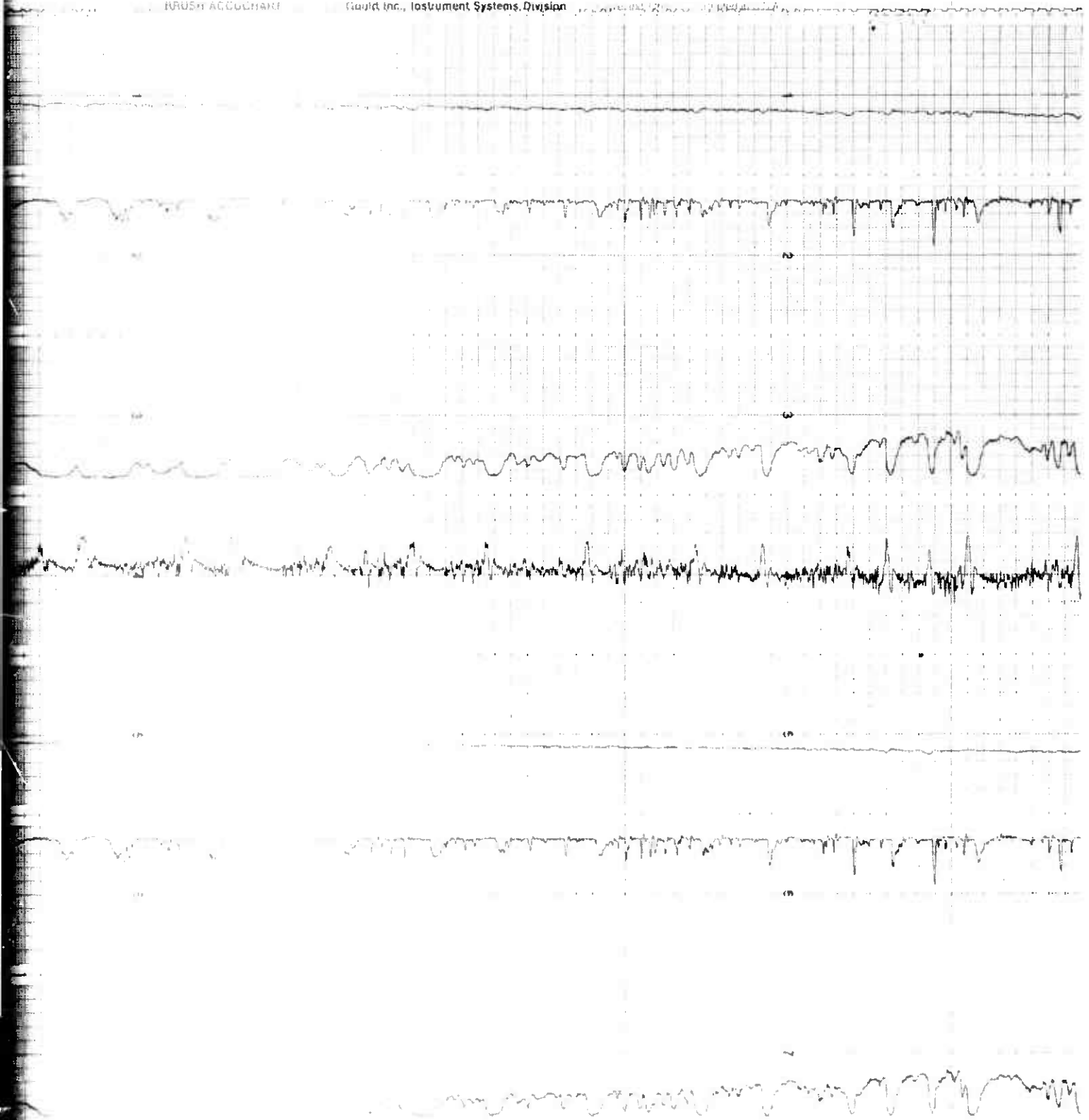


Figure B 33

BRUSH ACCOUNTANT

David Inc., Instrument Systems Division



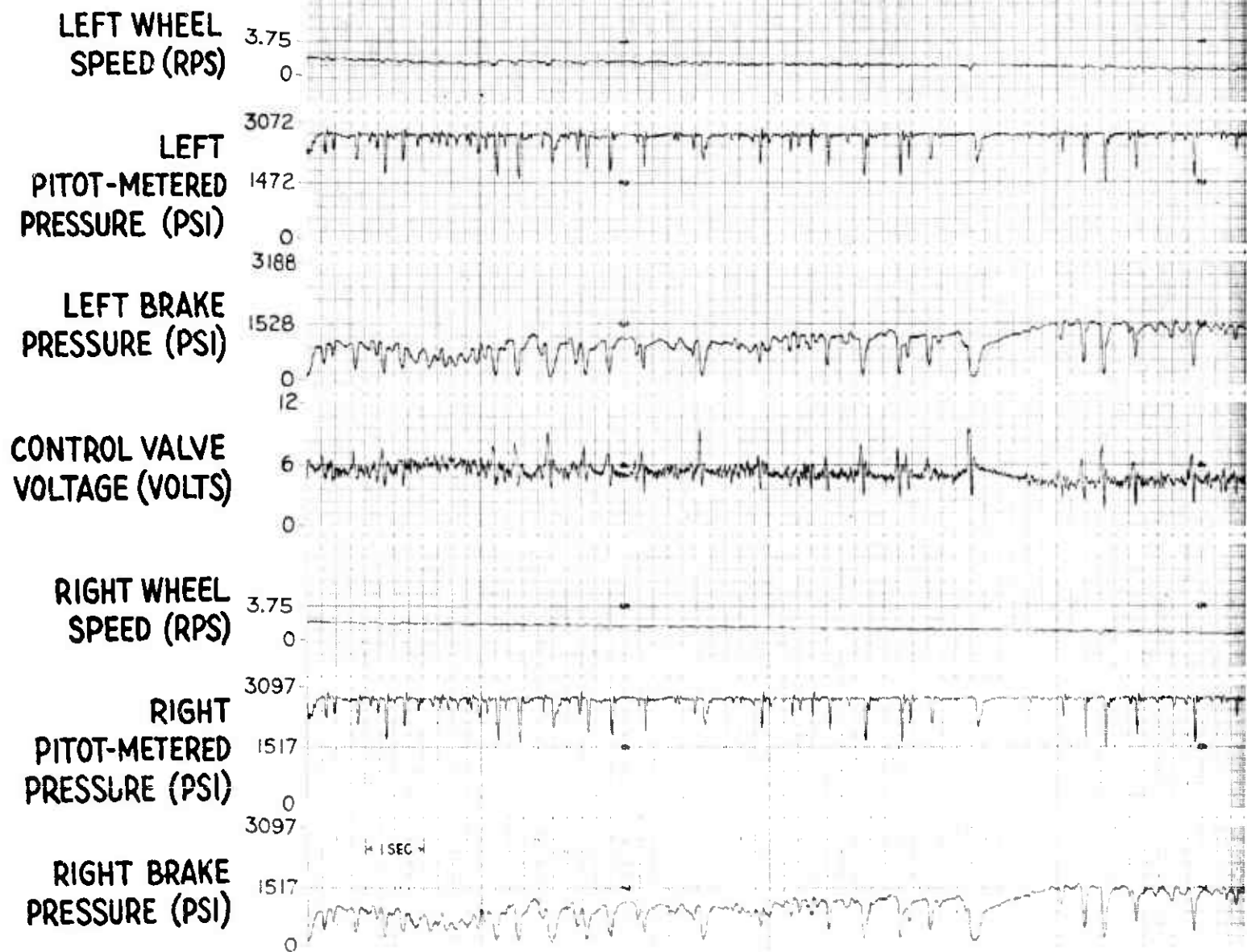


Figure B 33
(Concluded)

GoULD Inc., Instrument Systems Division



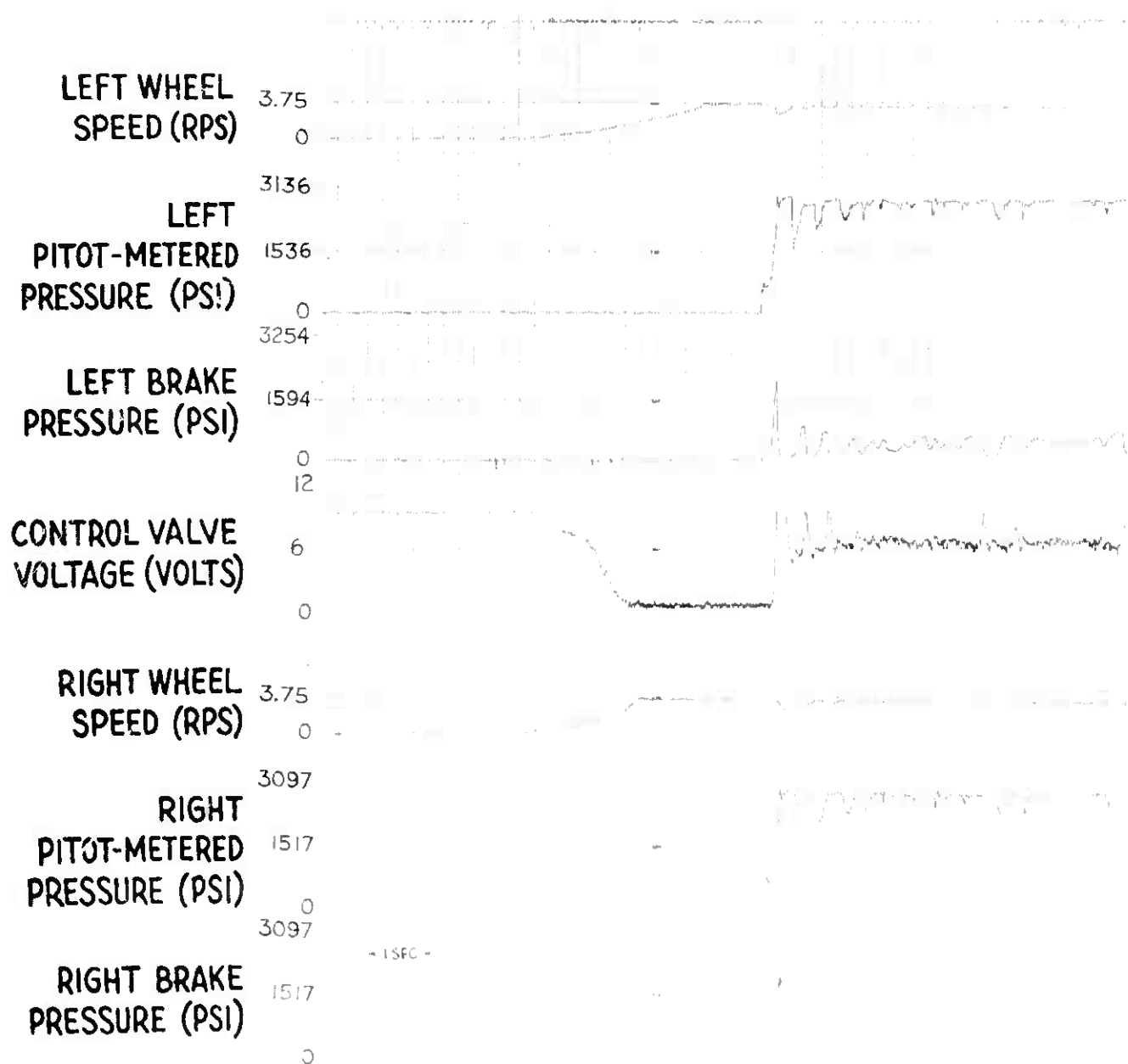


Figure B 34

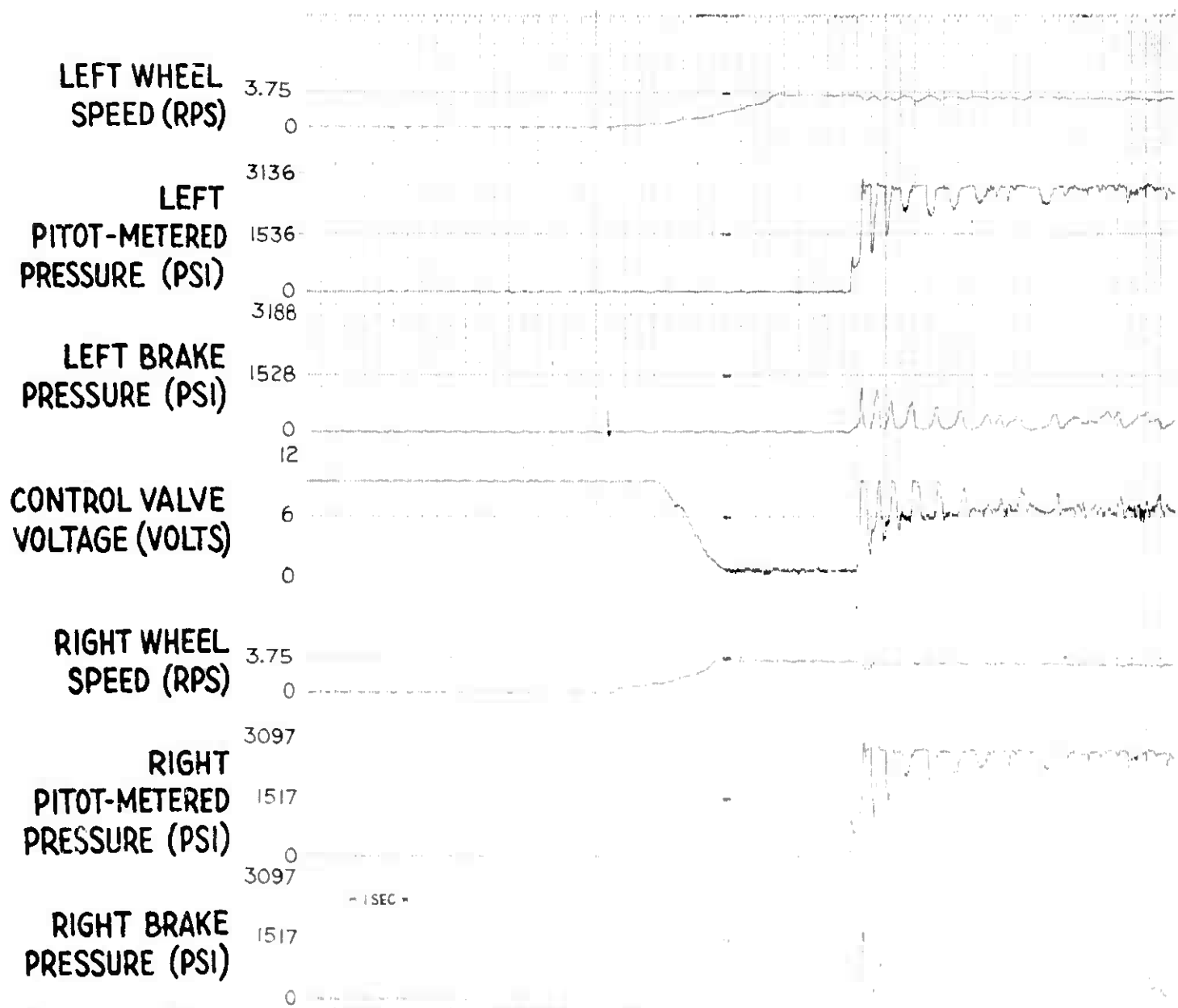


Figure B 35

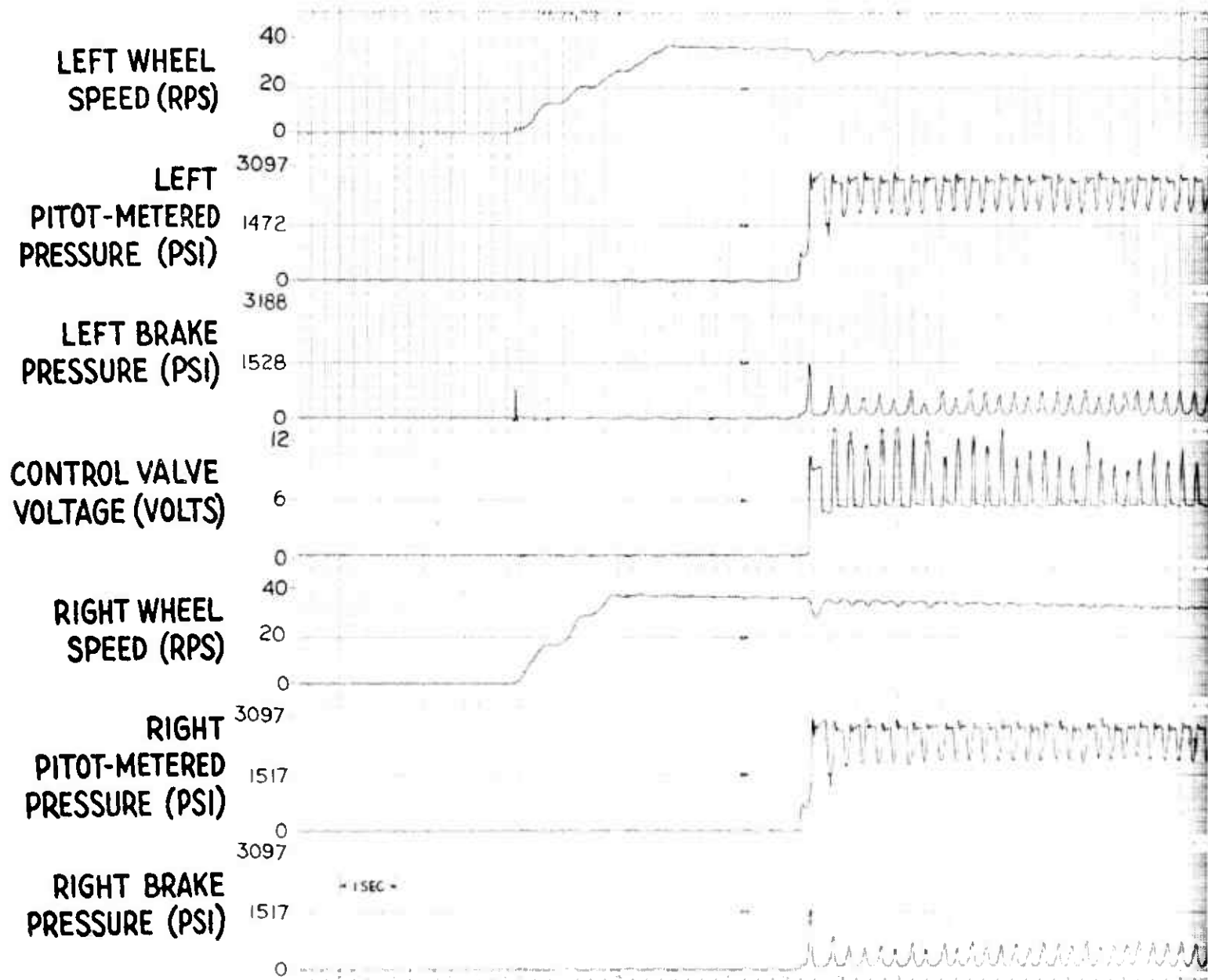
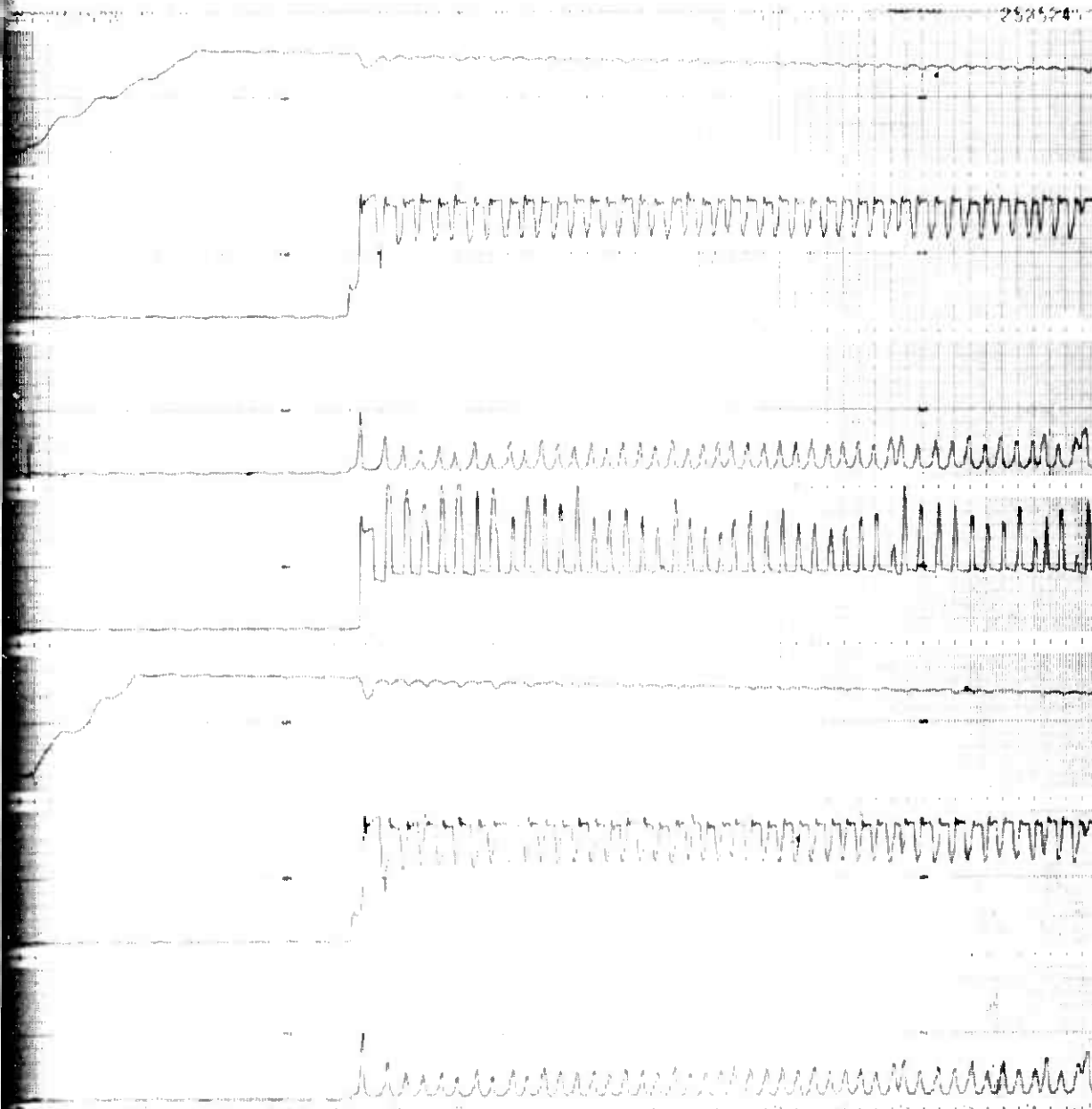


Figure B36

252574



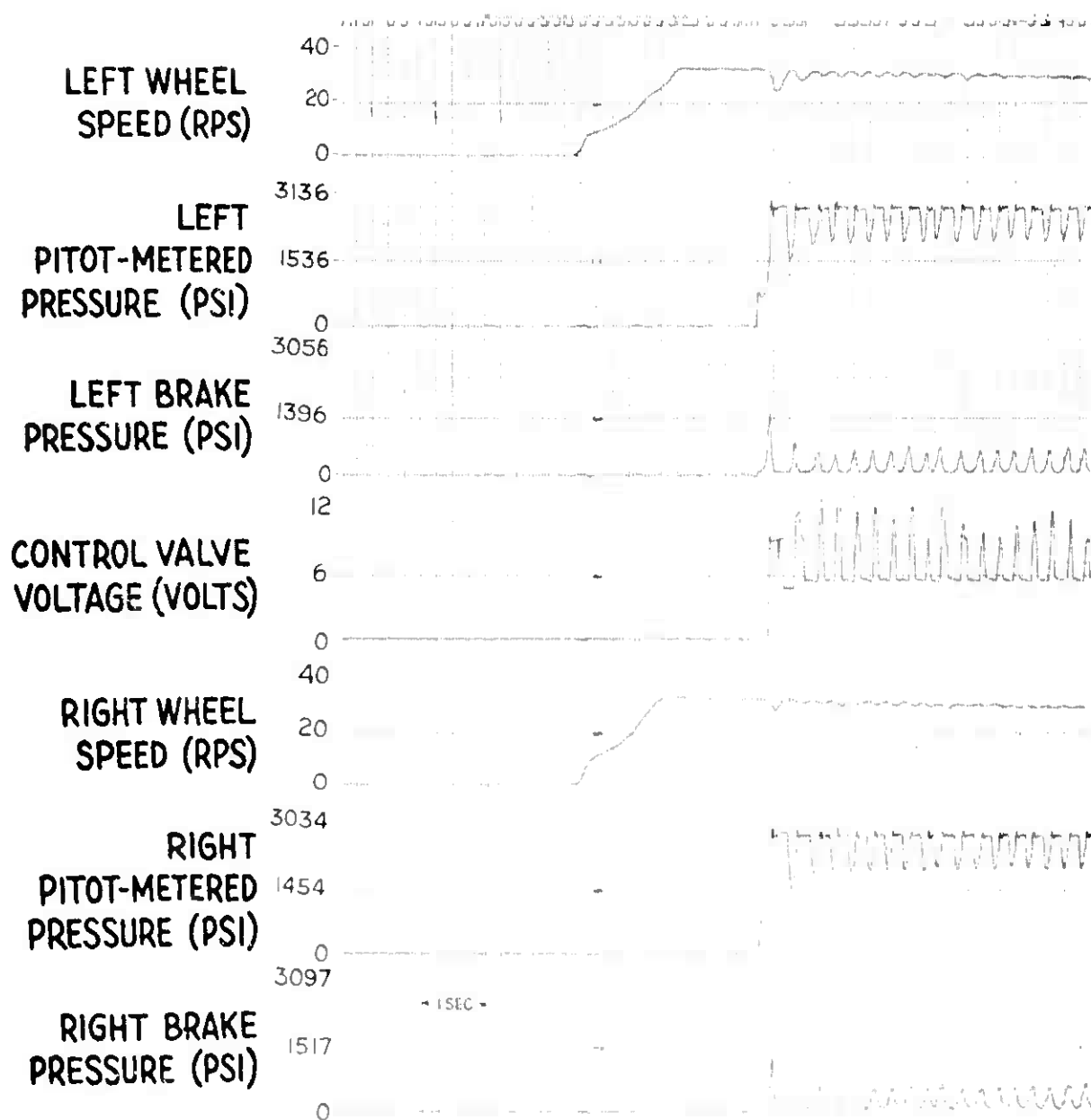


Figure B37

LEFT WHEEL
 SPEED (RPS)

LEFT
 PITOT-METERED
 PRESSURE (PSI)

LEFT BRAKE
 PRESSURE (PSI)

CONTROL VALVE
 VOLTAGE (VOLTS)

RIGHT WHEEL
 SPEED (RPS)

RIGHT
 PITOT-METERED
 PRESSURE (PSI)

RIGHT BRAKE
 PRESSURE (PSI)

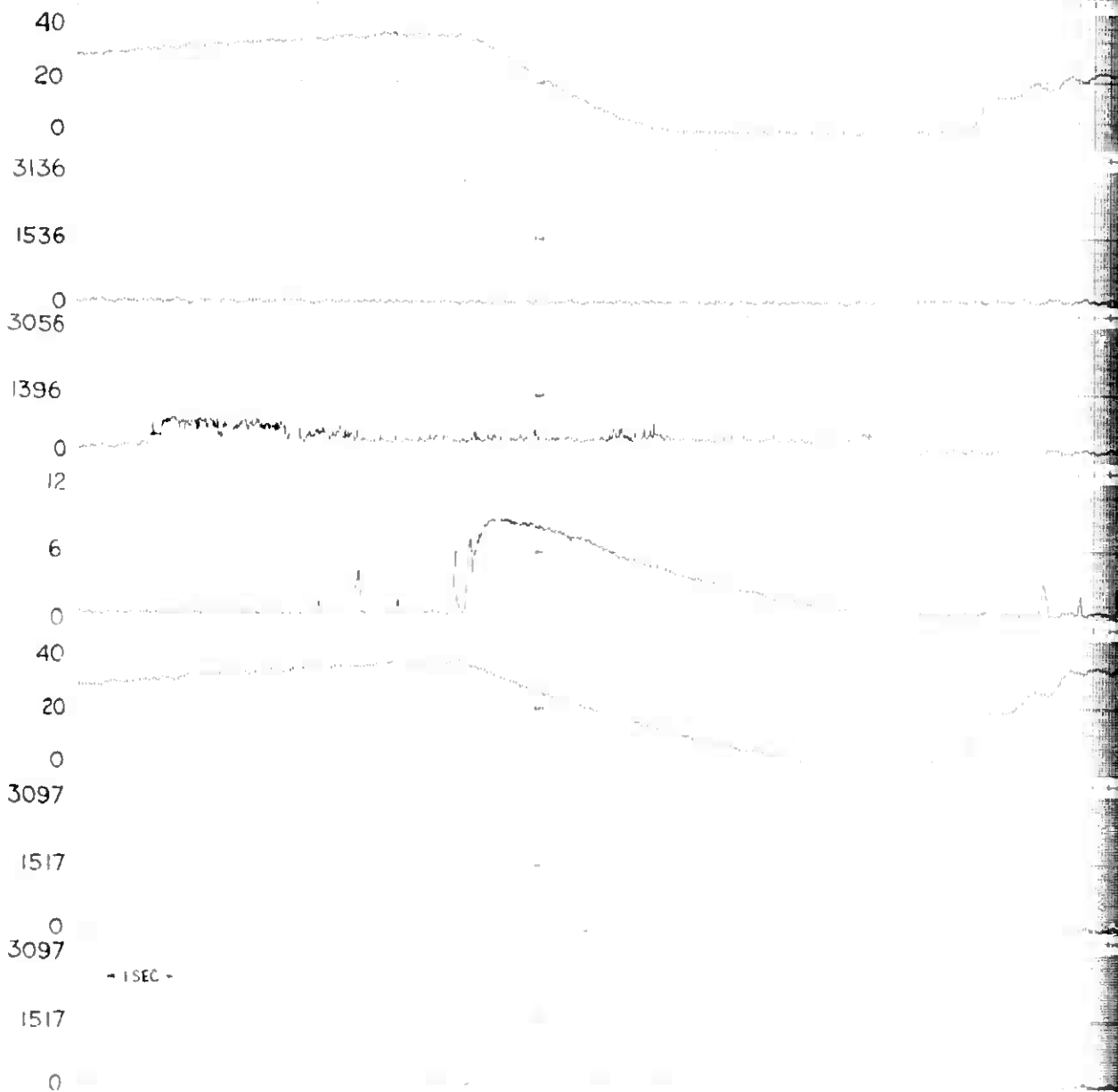
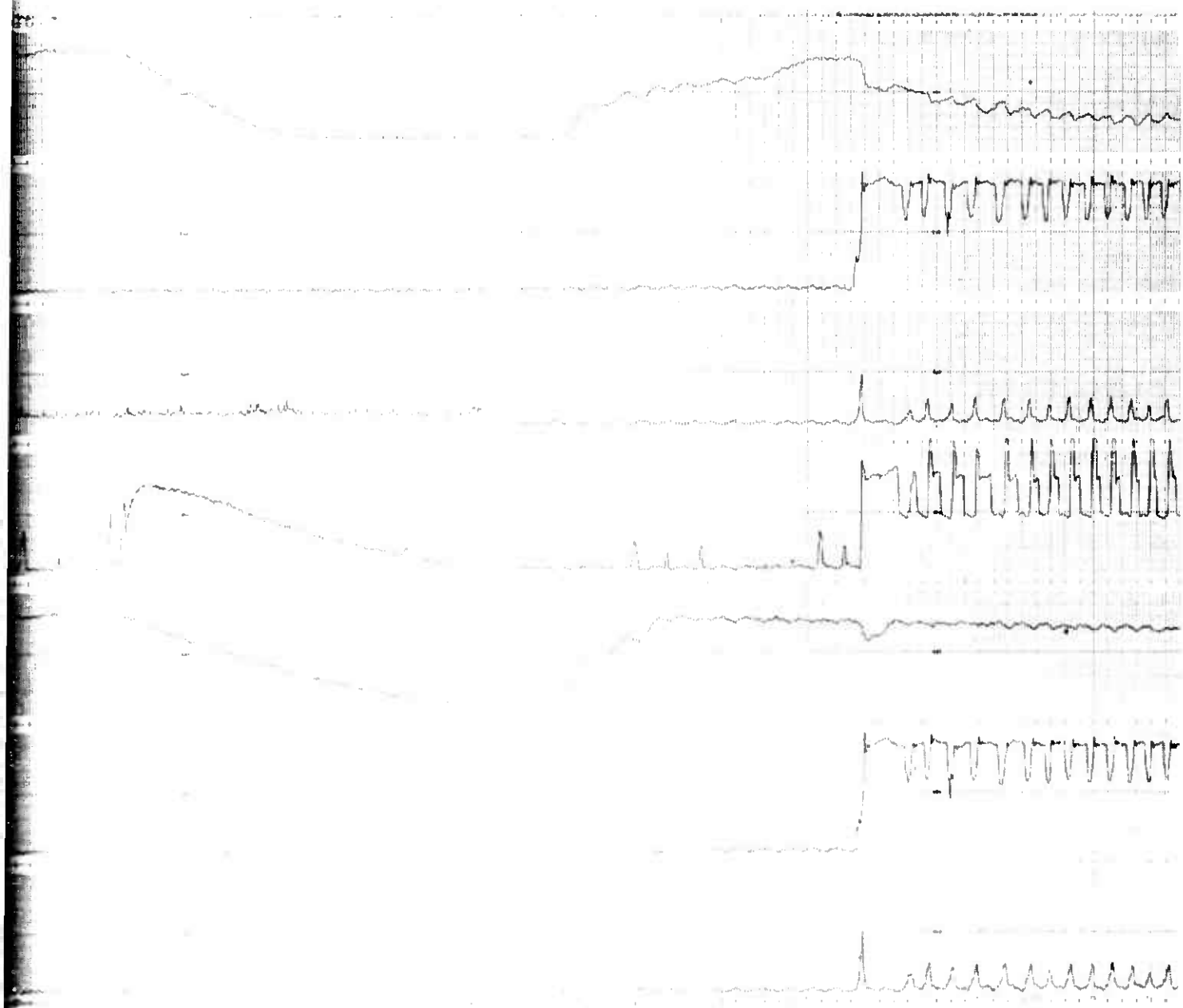


Figure B38



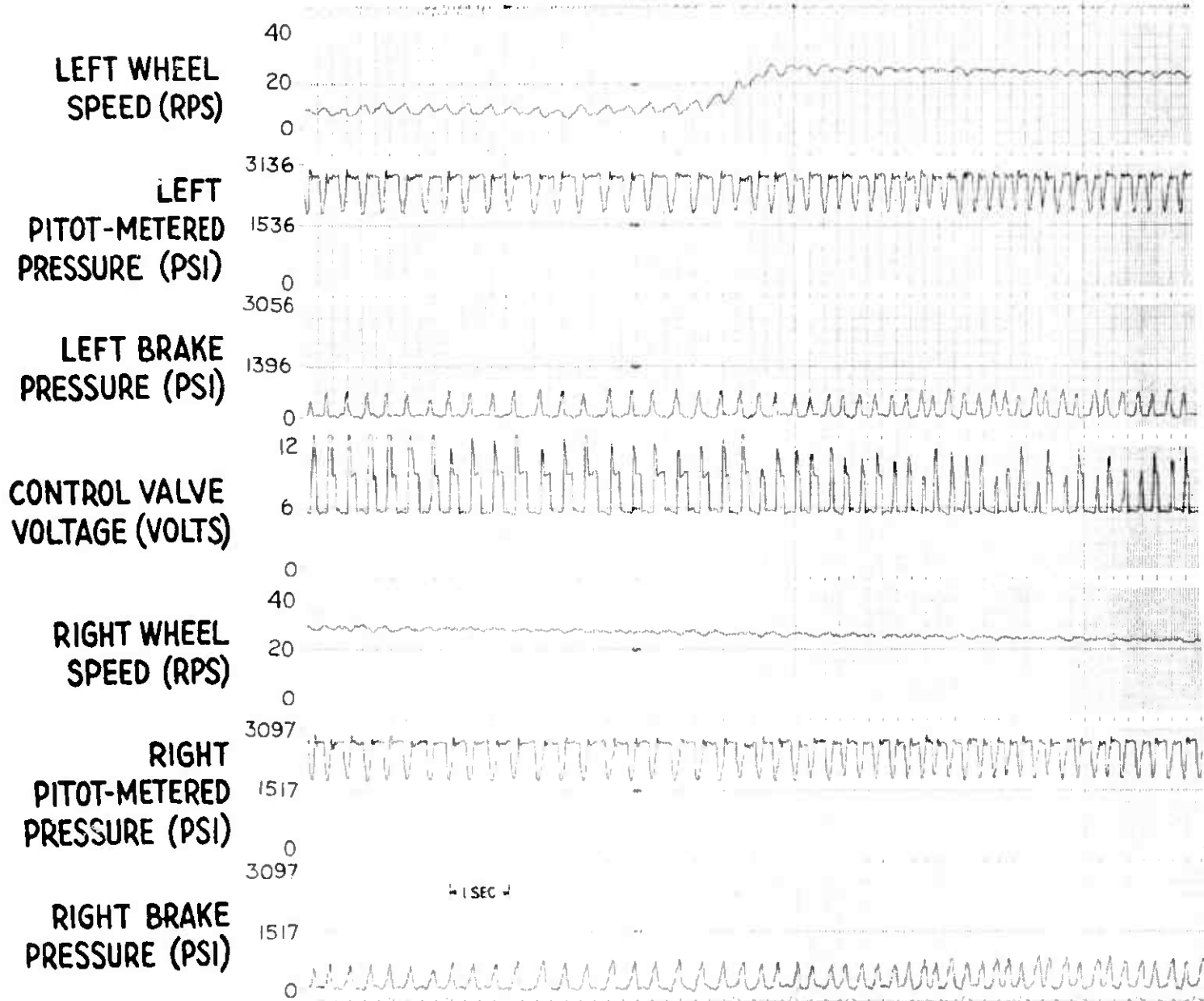
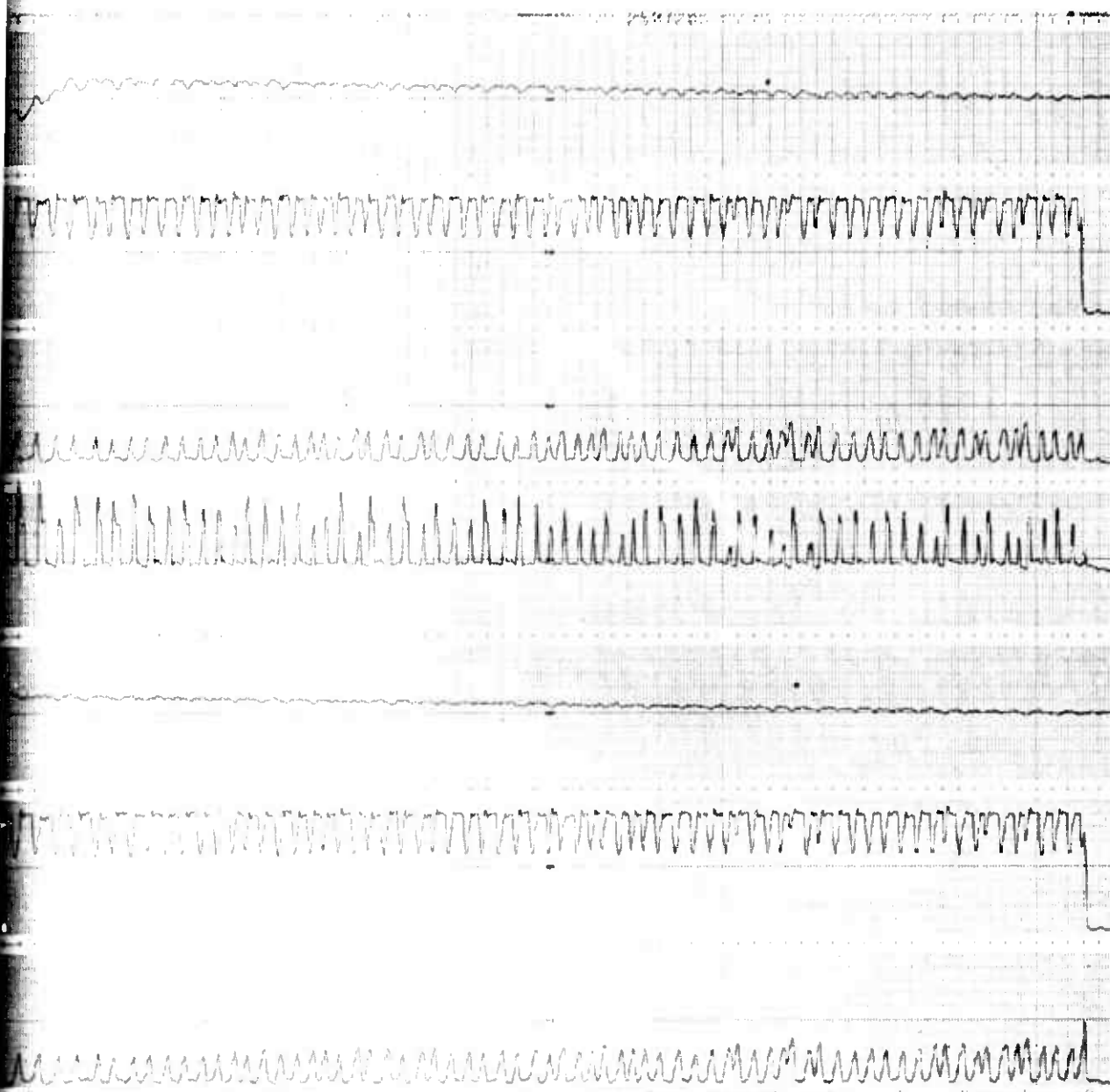


Figure 838
(Concluded)



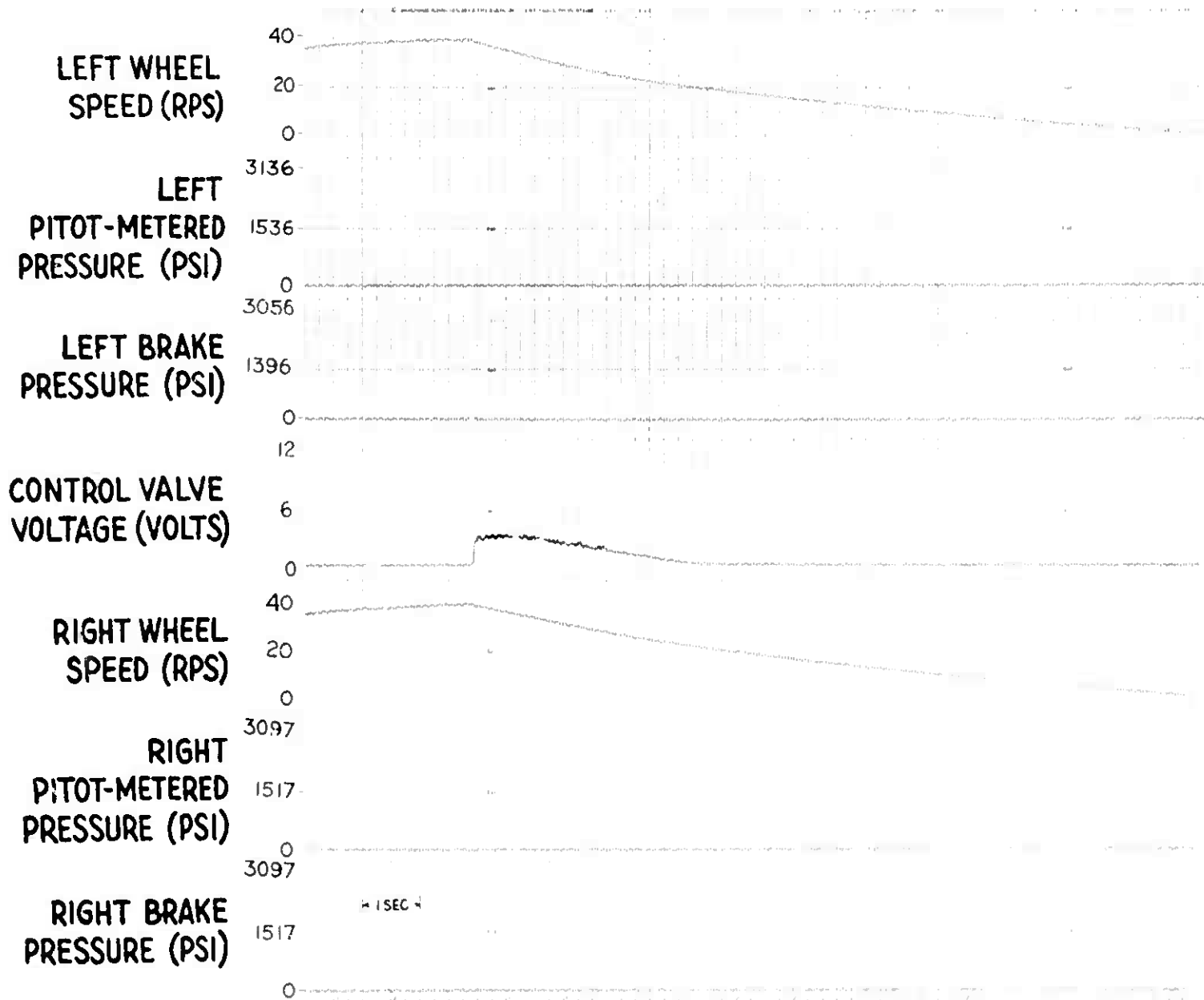
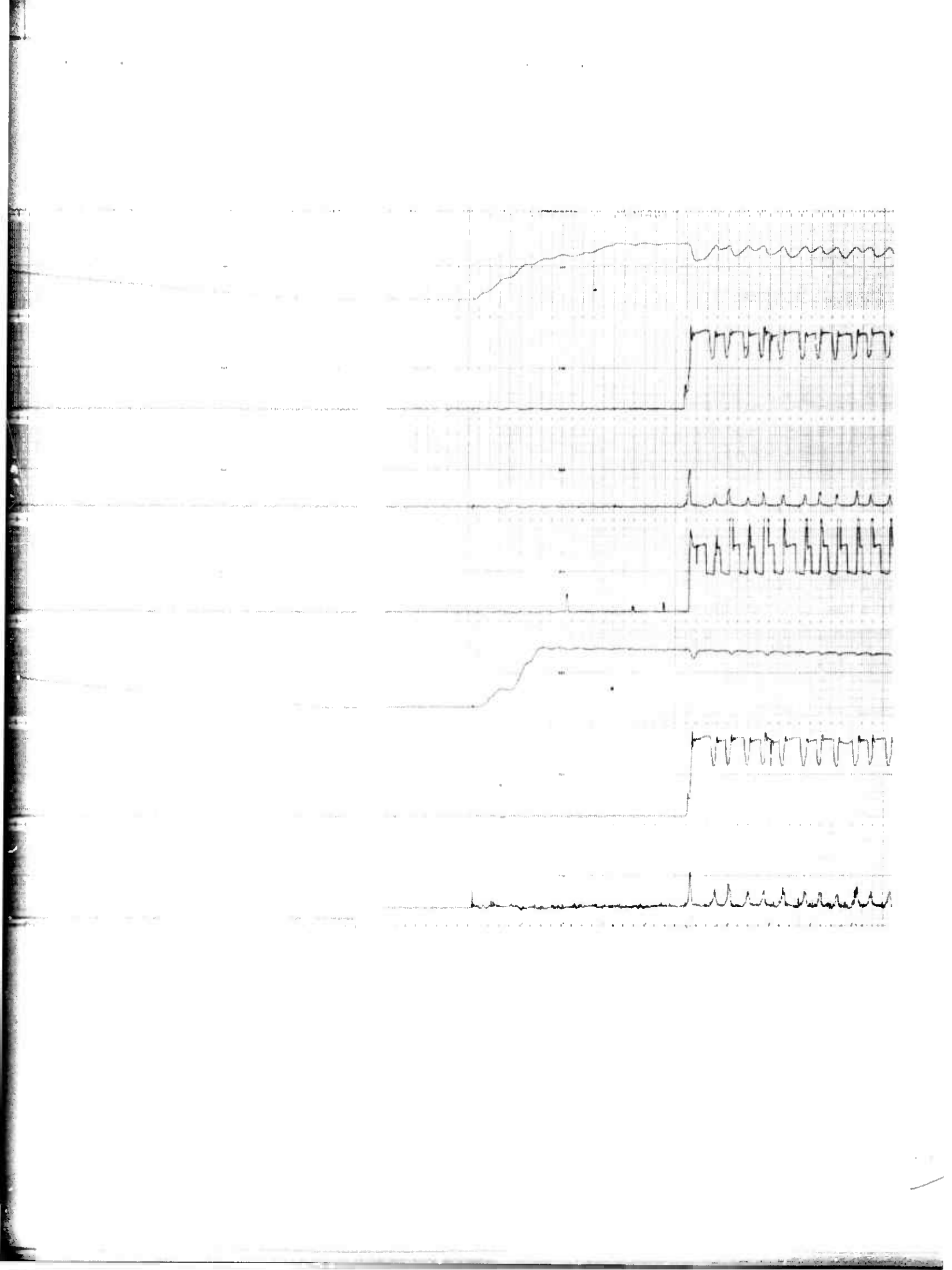


Figure B39



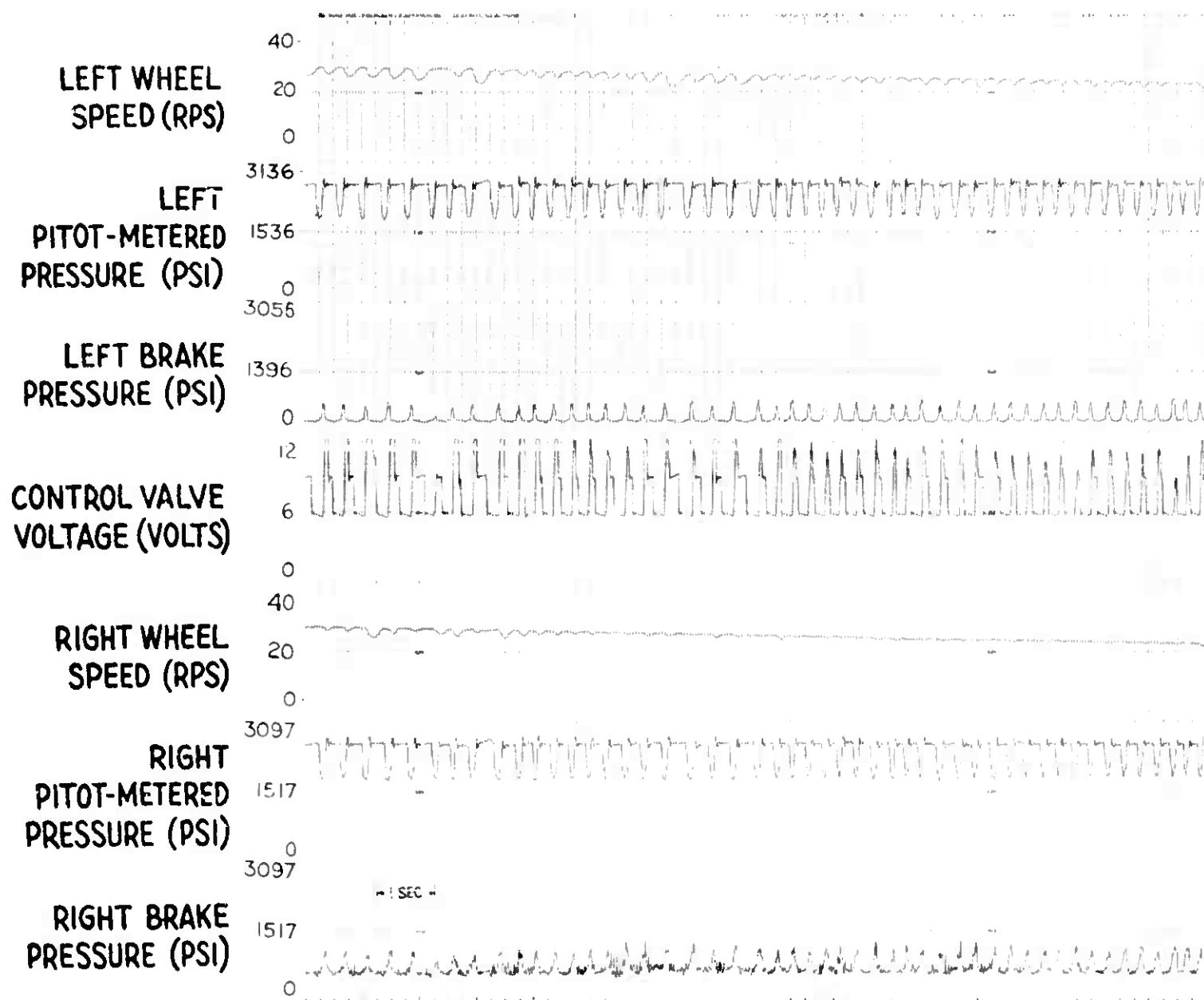
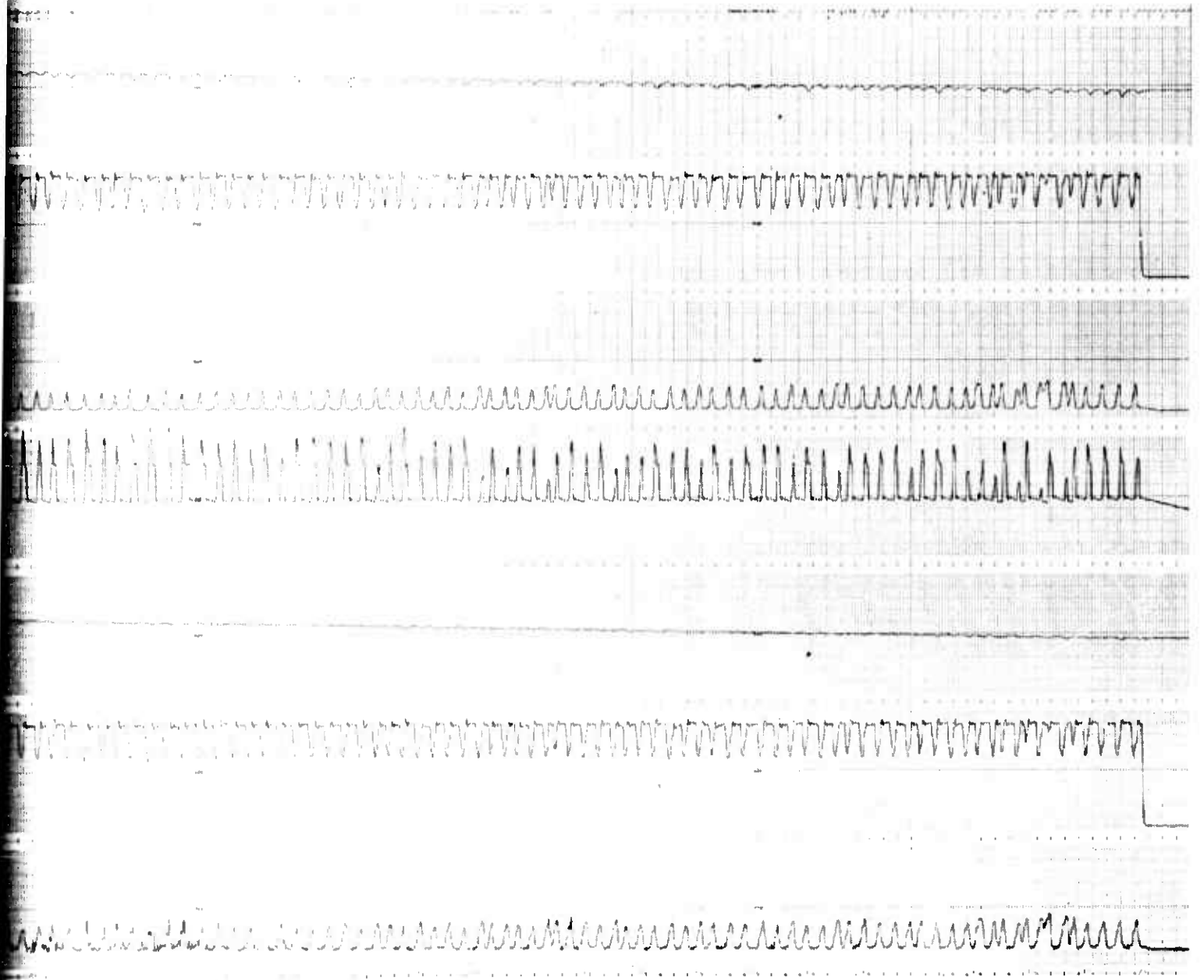


Figure 839
(Concluded)



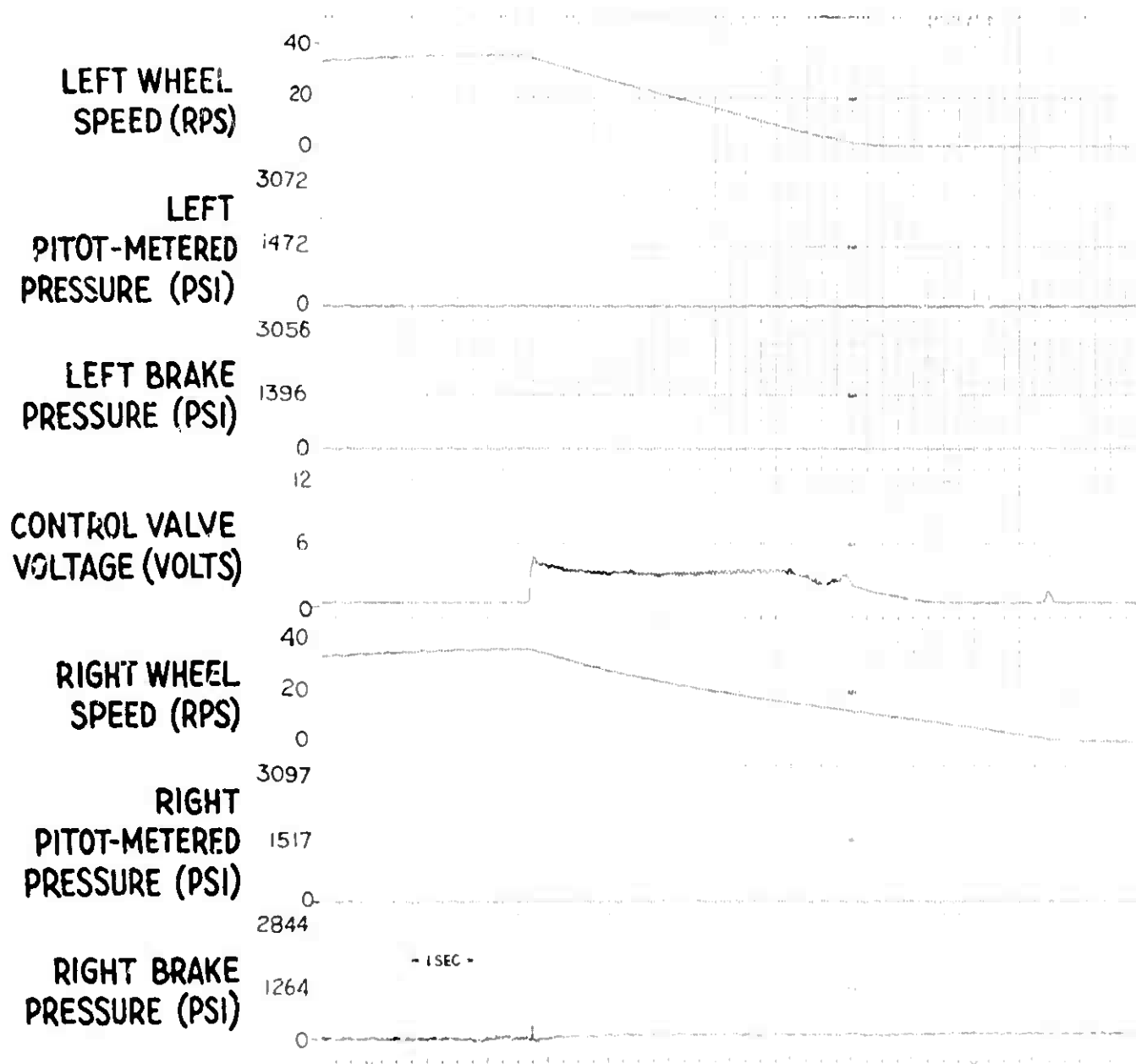
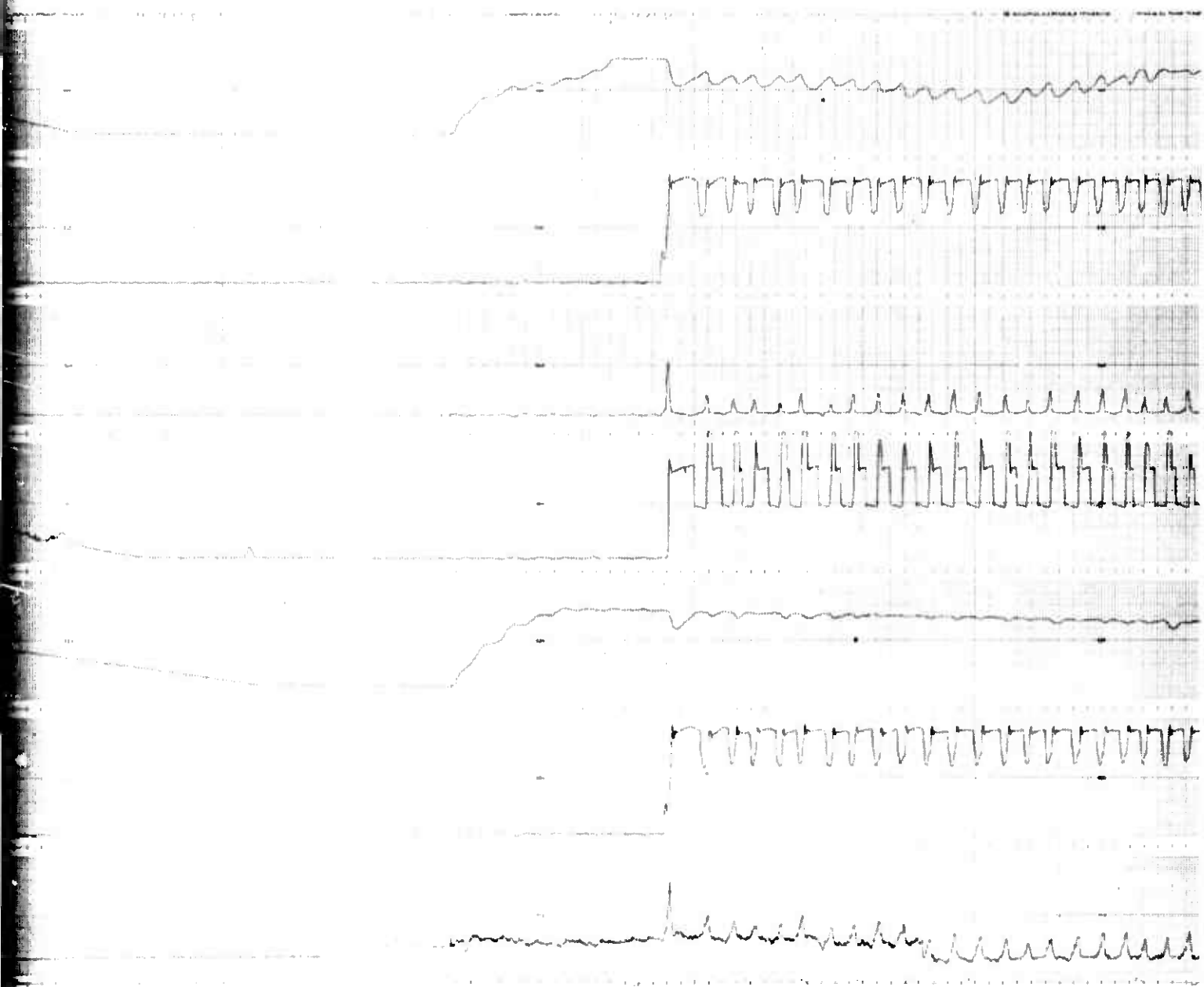


Figure B 40



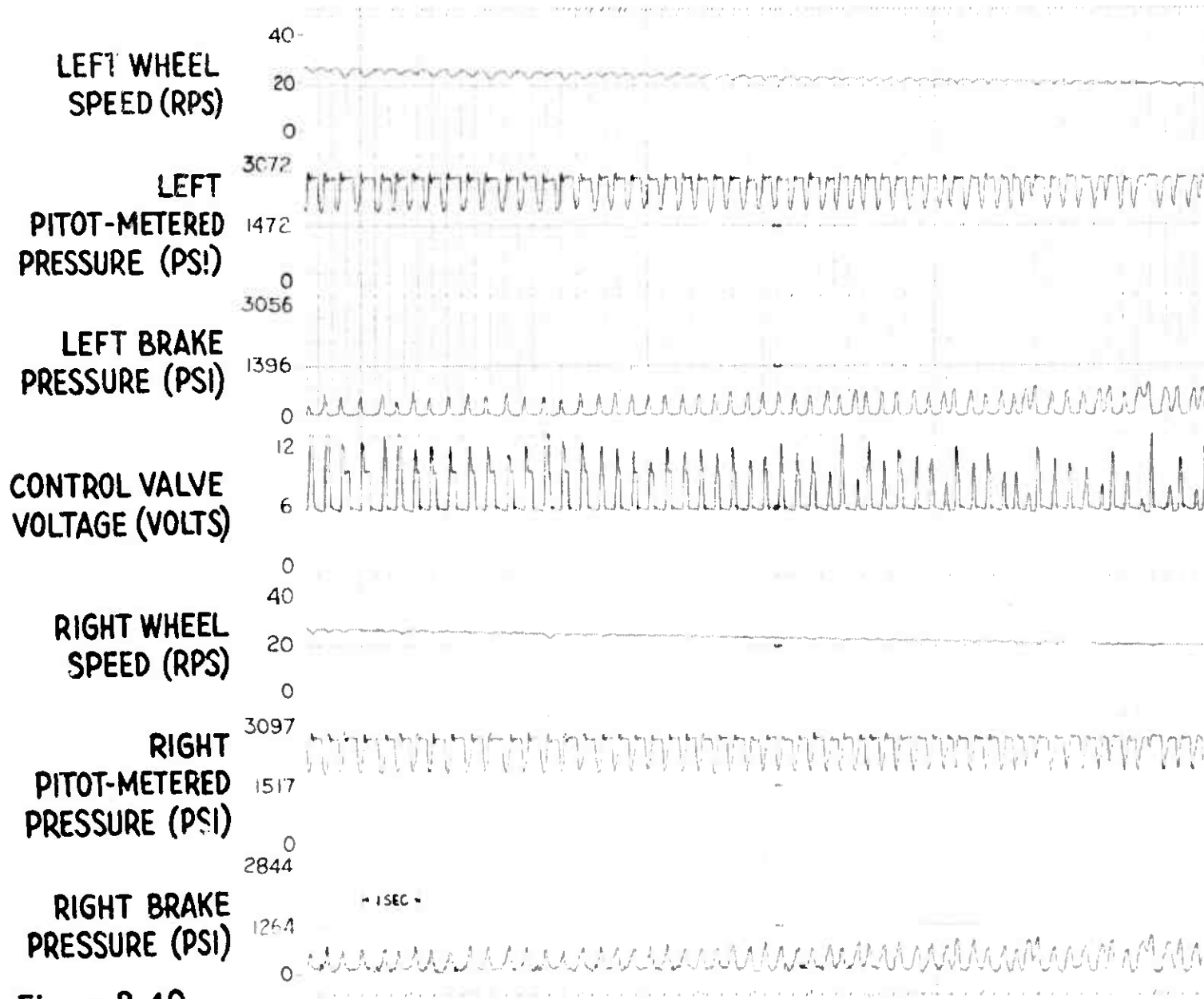
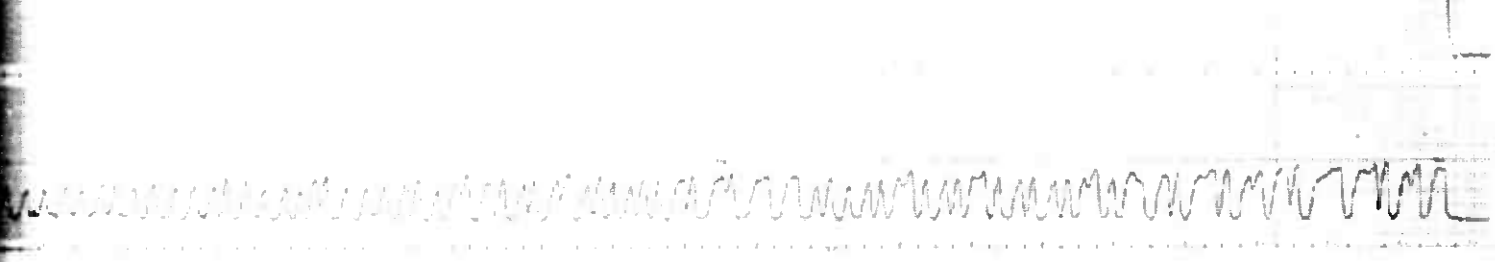
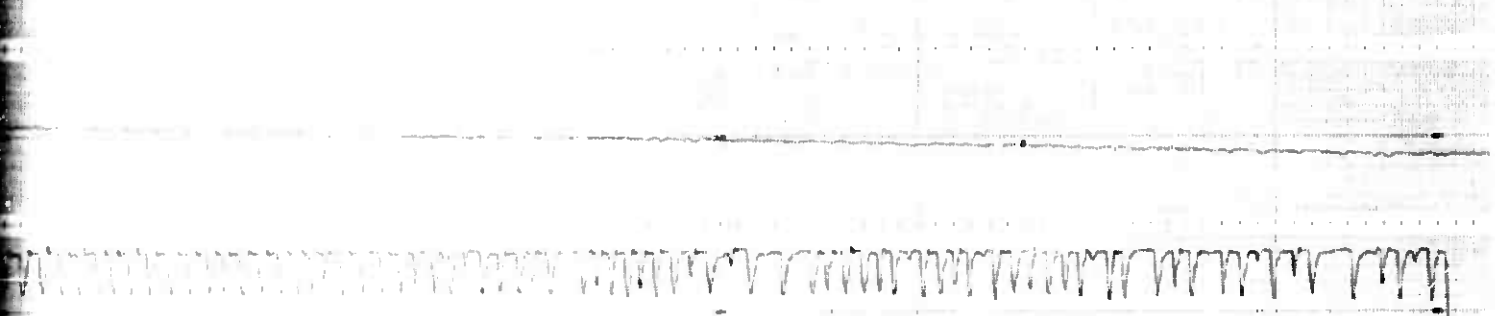
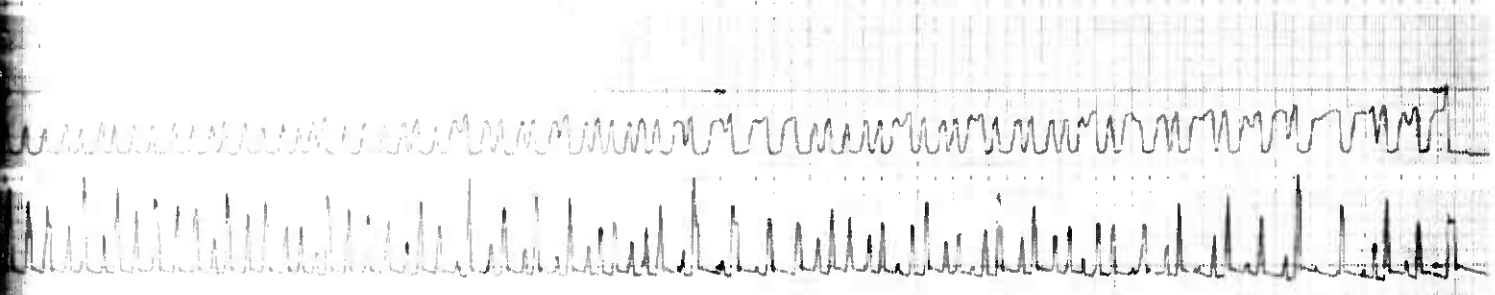


Figure B 40
(Concluded)



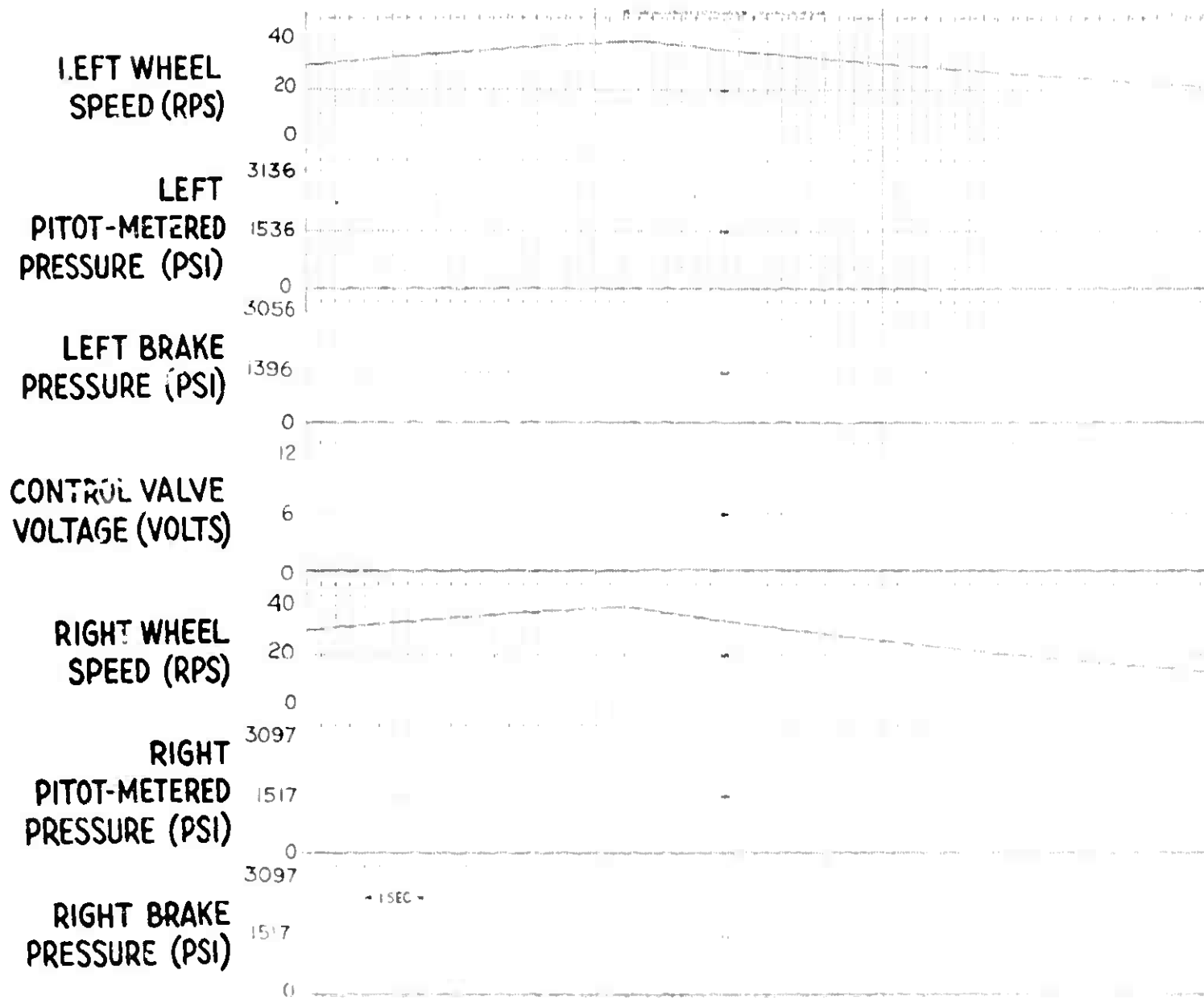
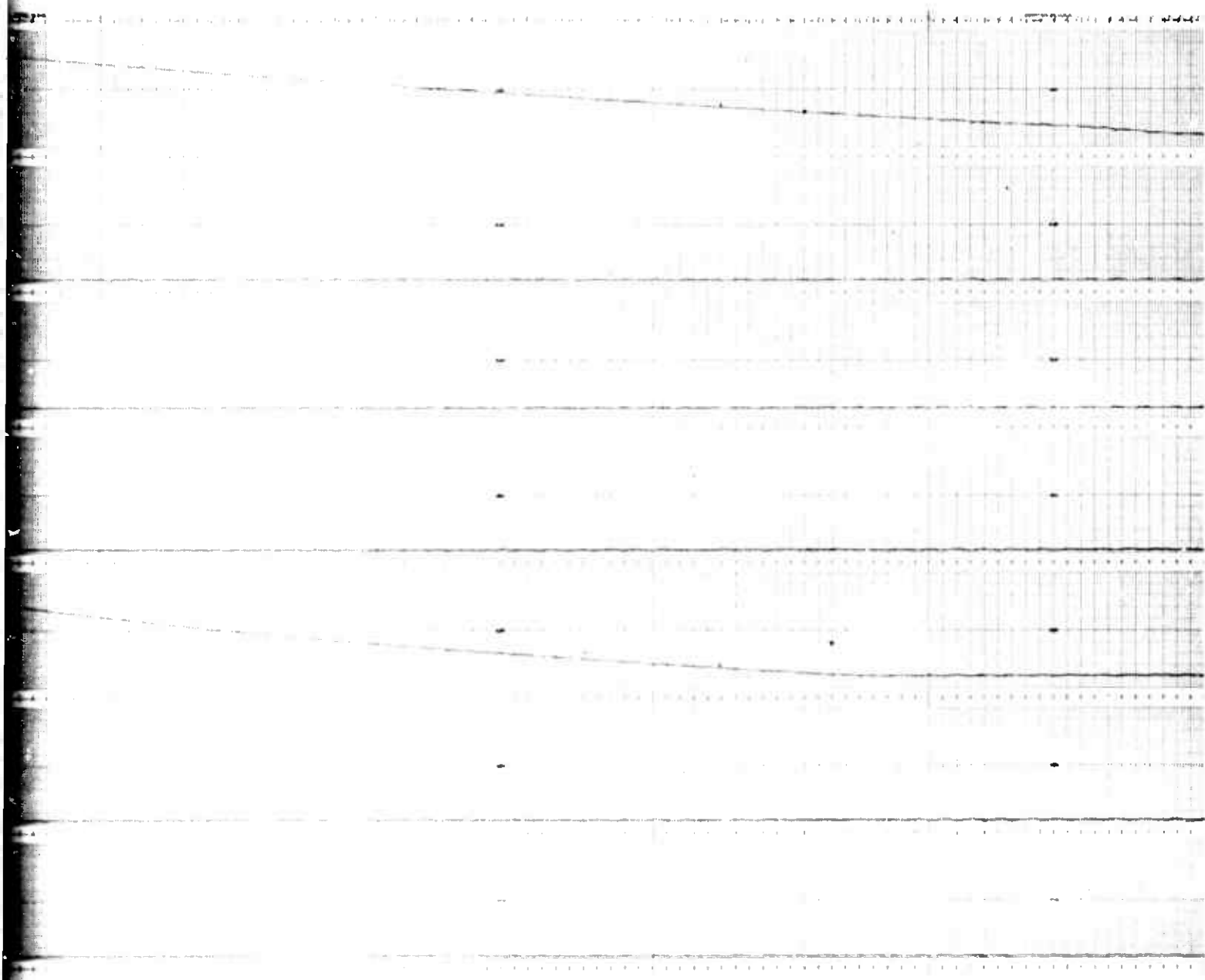


Figure B 41



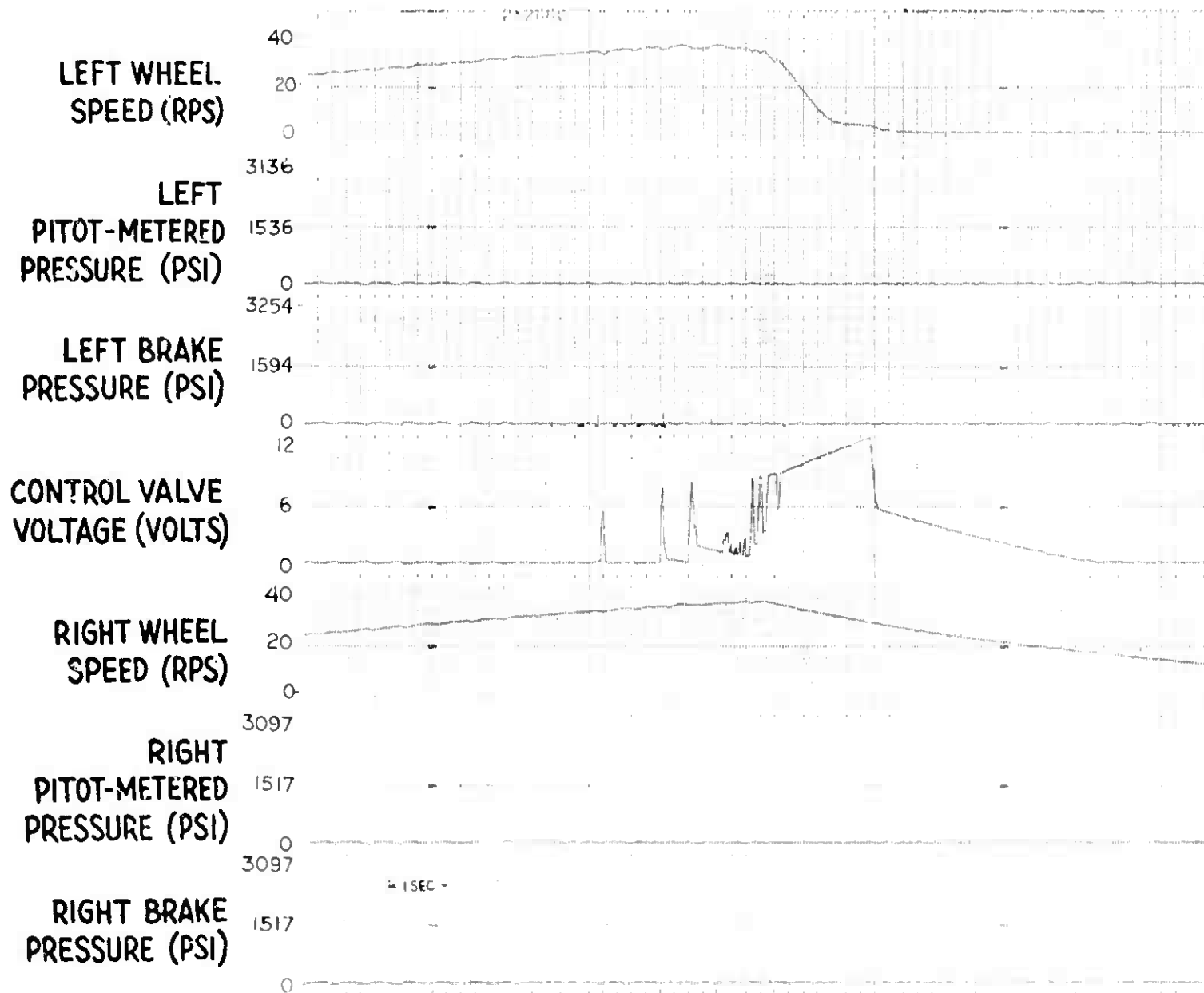
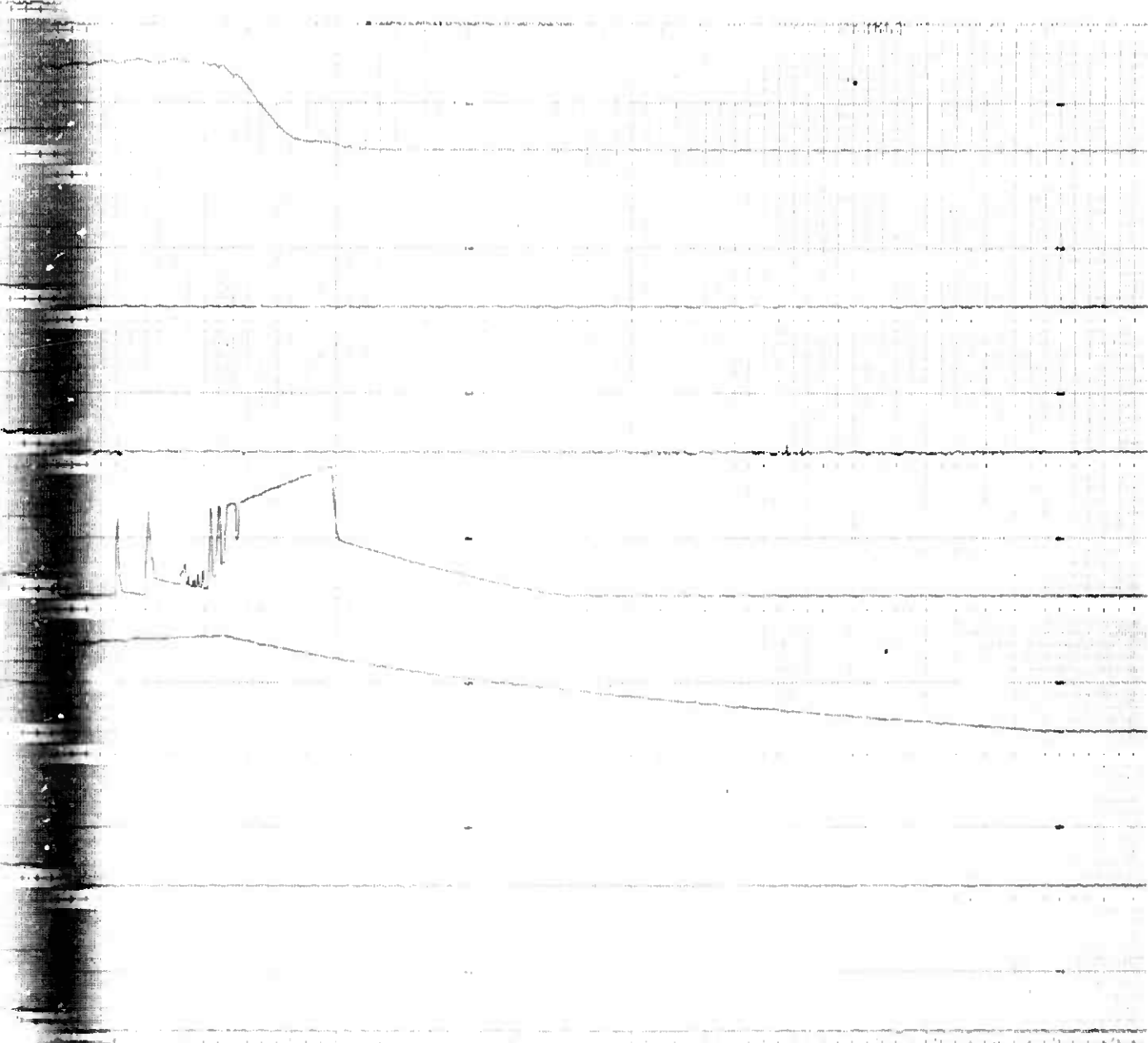


Figure B42



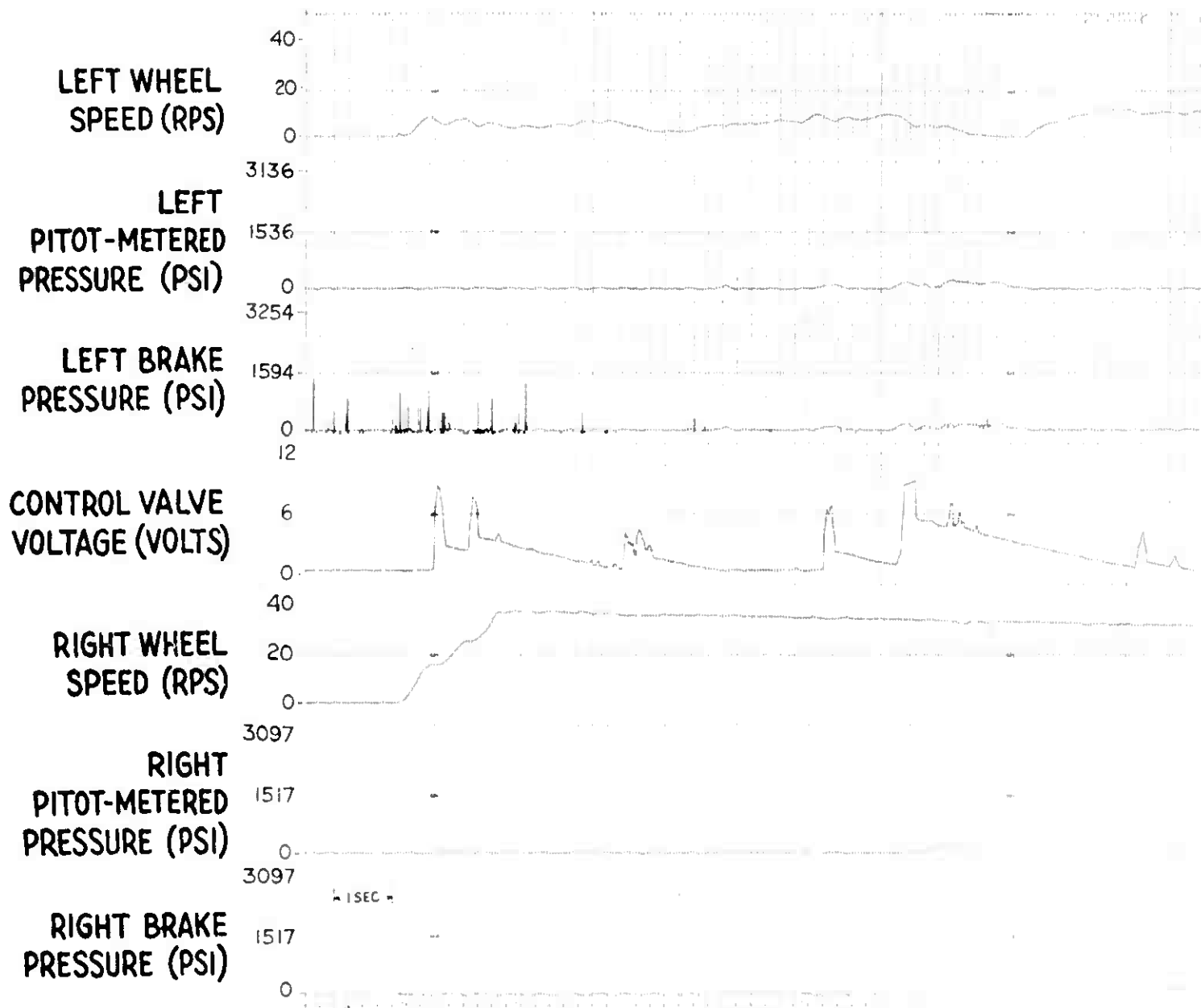
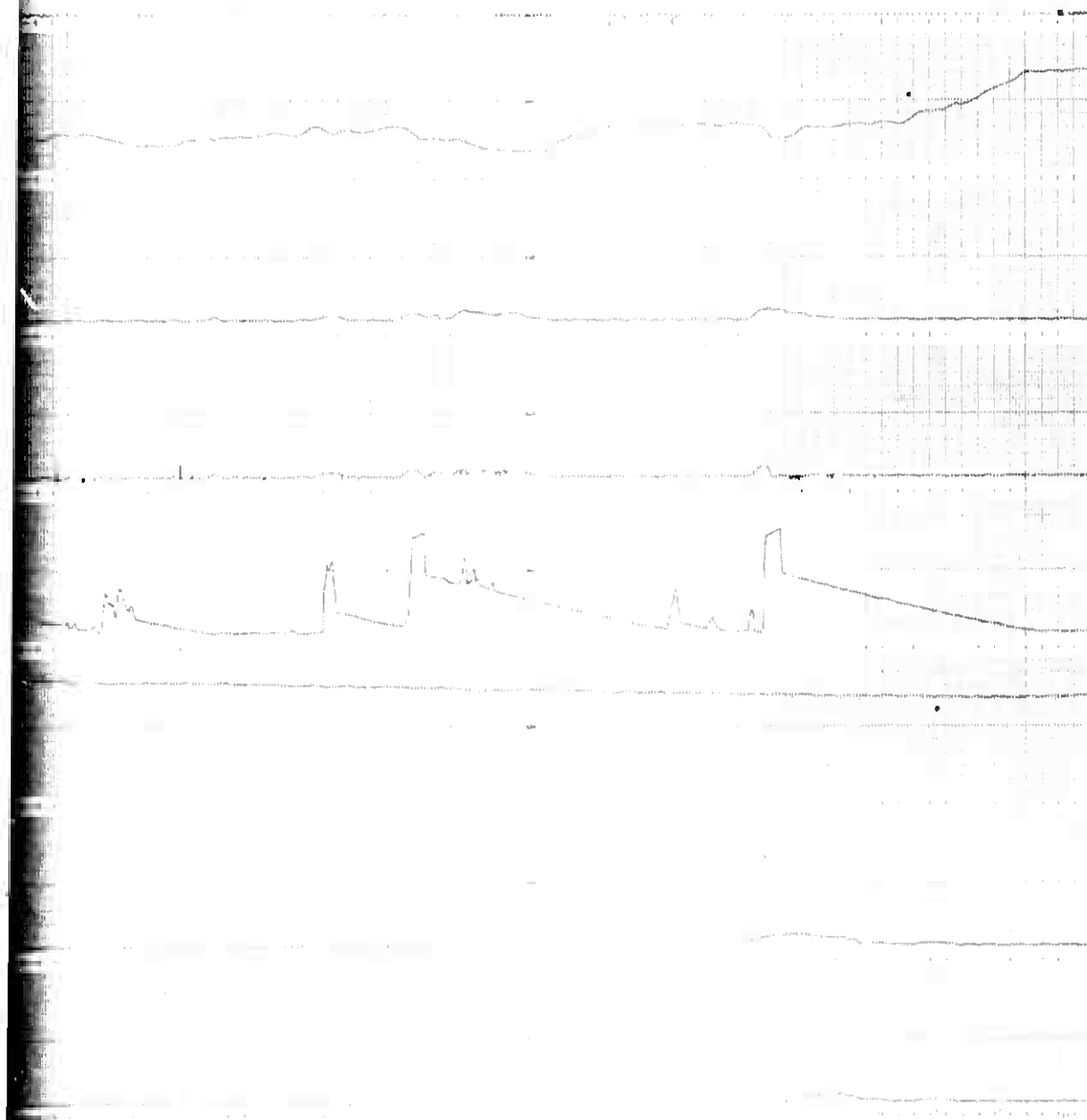


Figure B 42
(Continued)



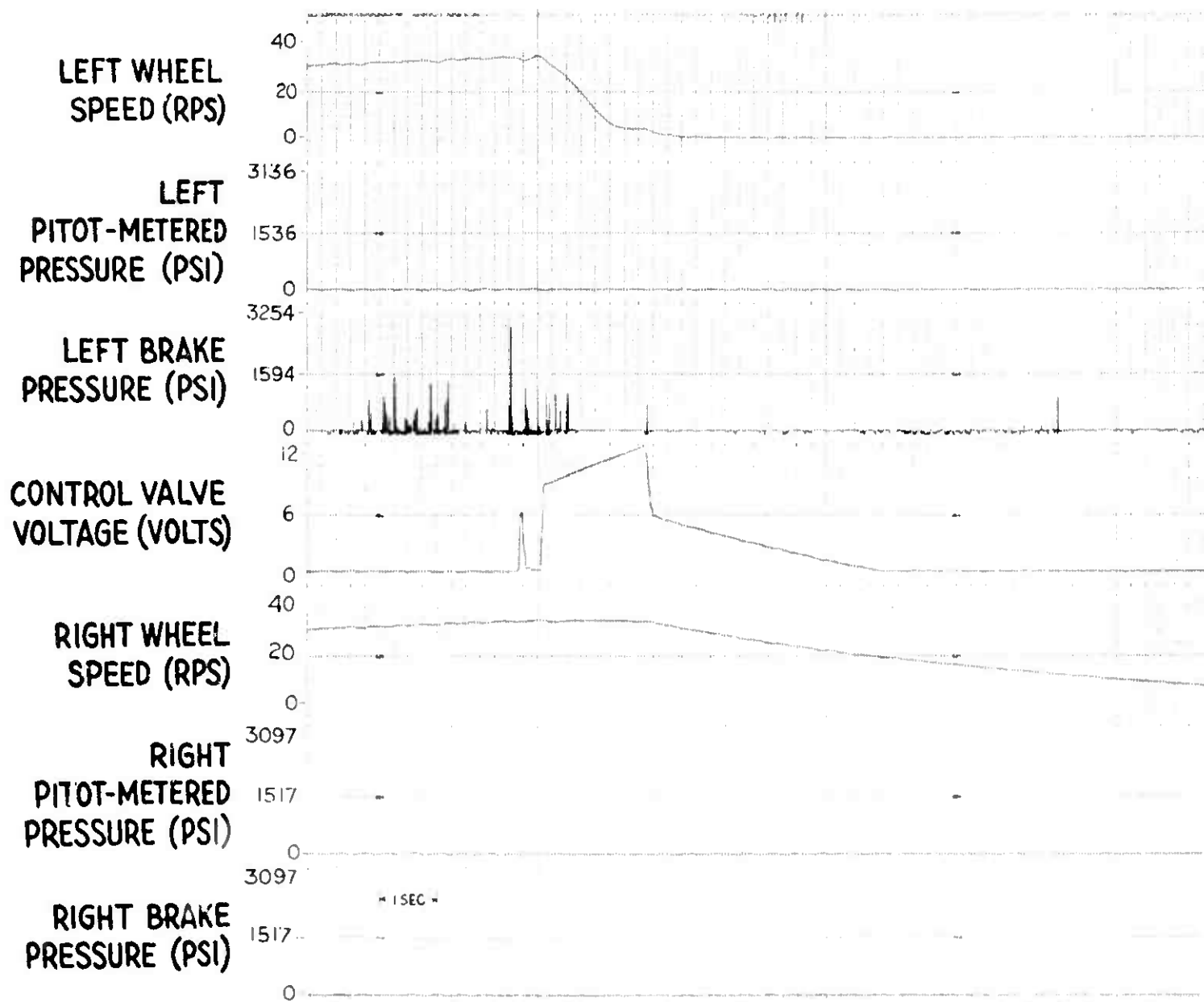


Figure B 42
(Concluded)

10-10-10 00

10-10-10 00

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

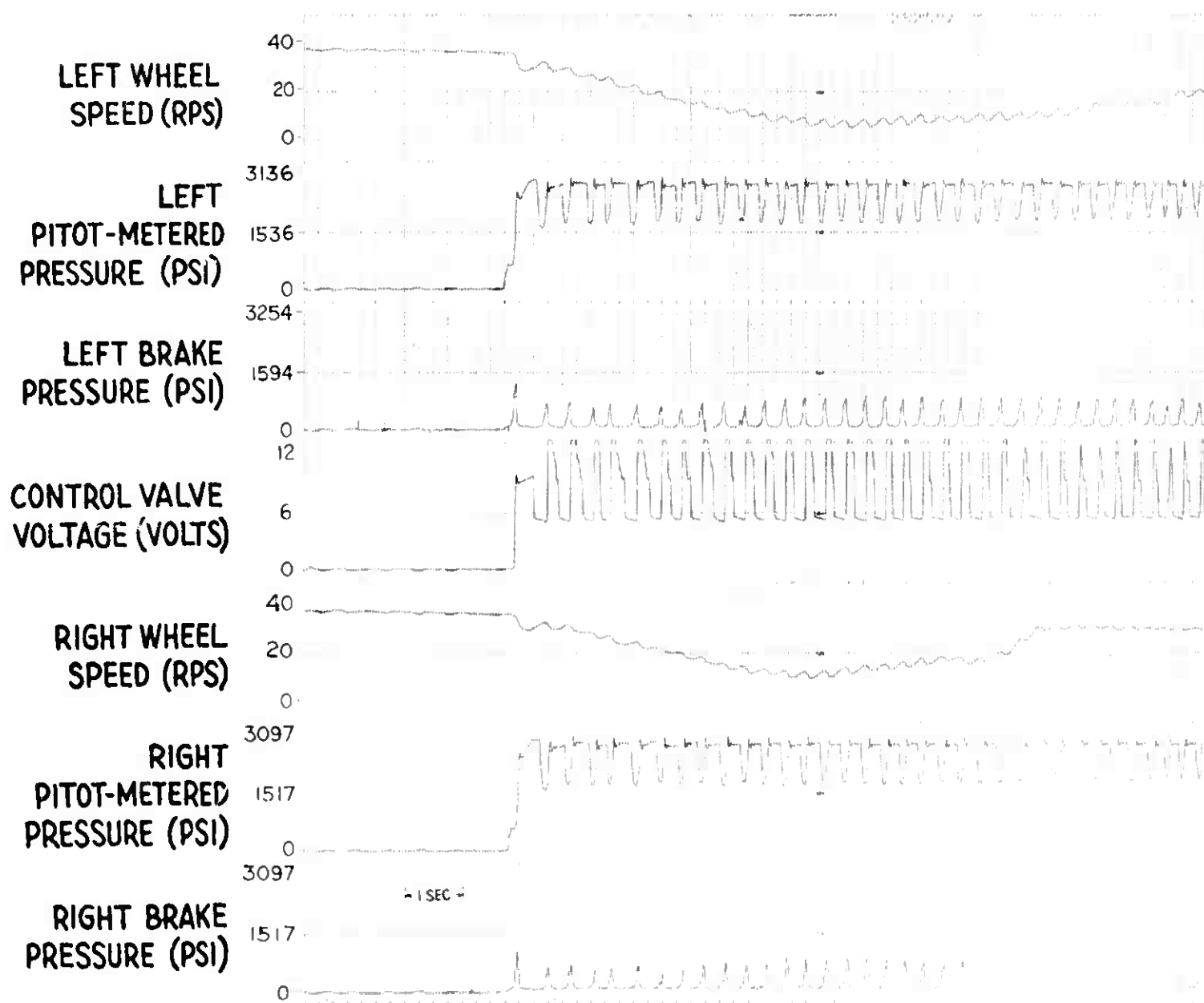
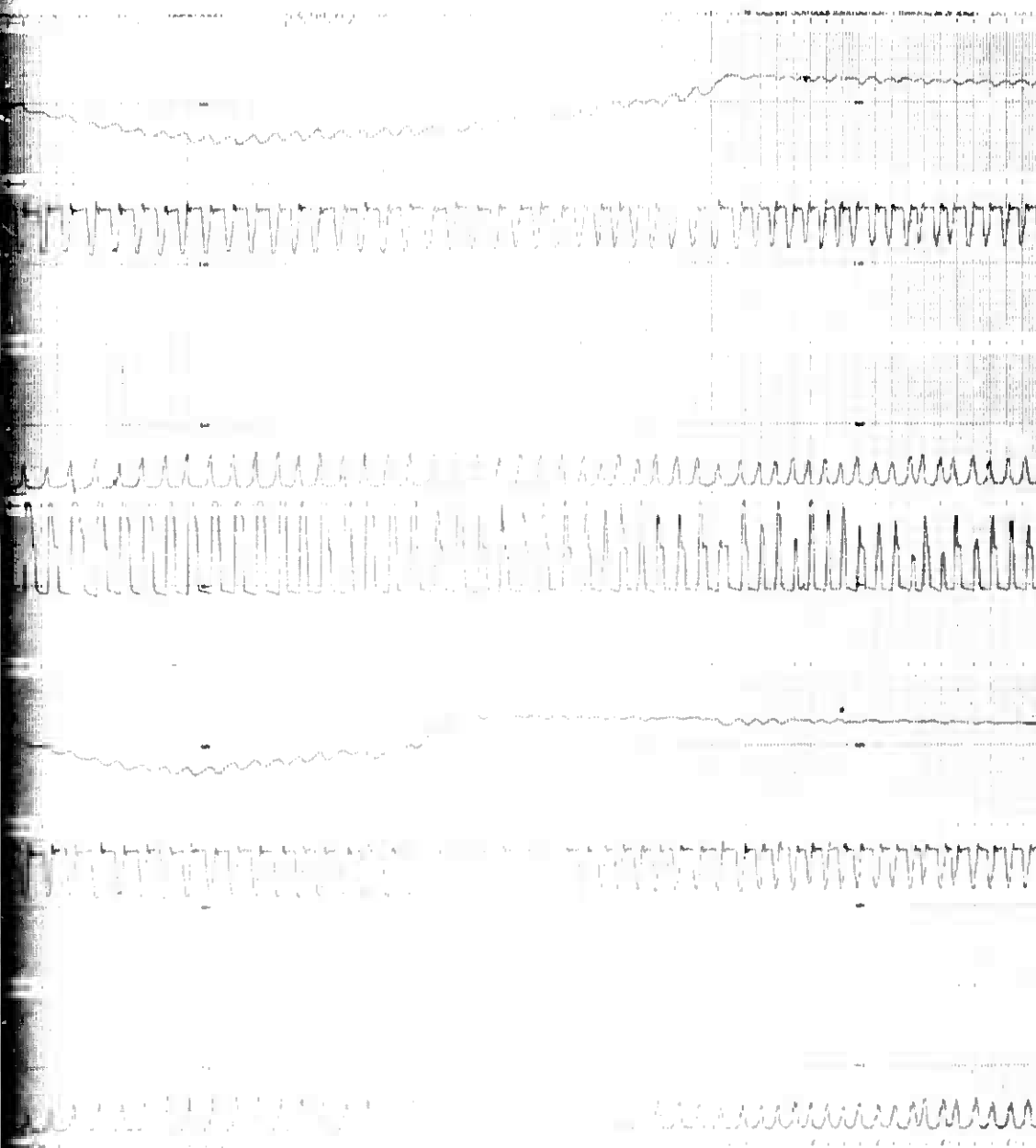


Figure B43



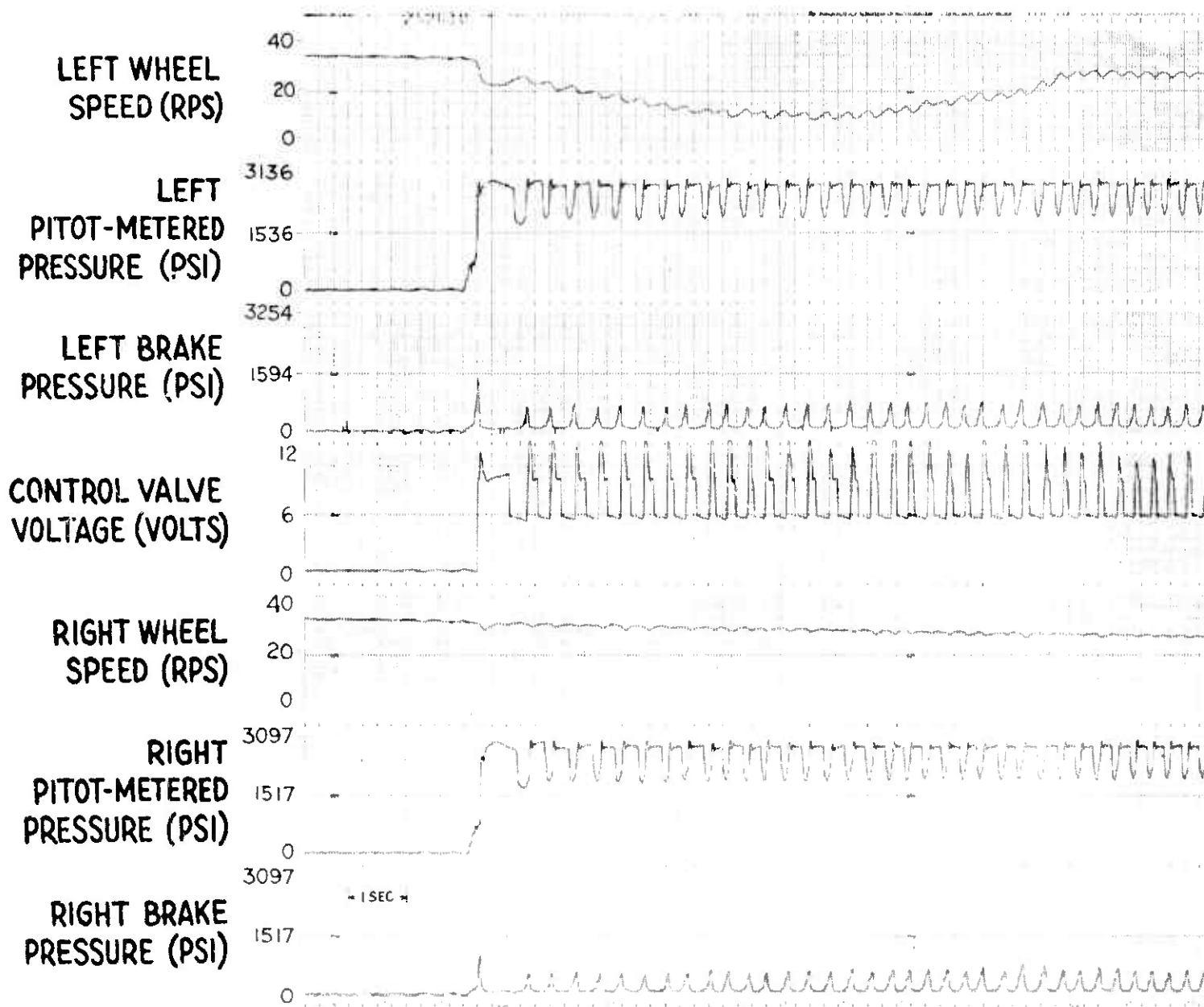
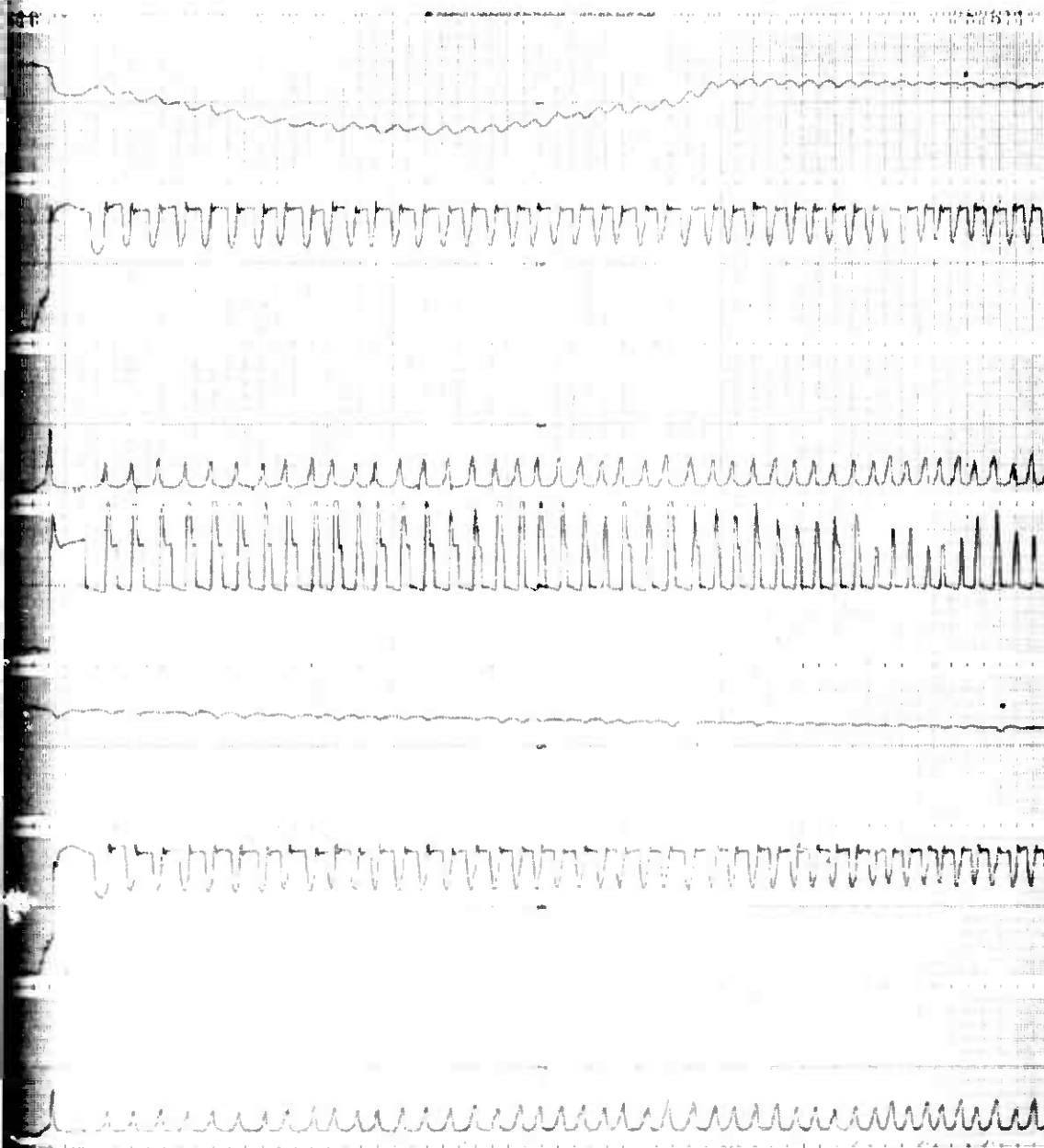


Figure B 44



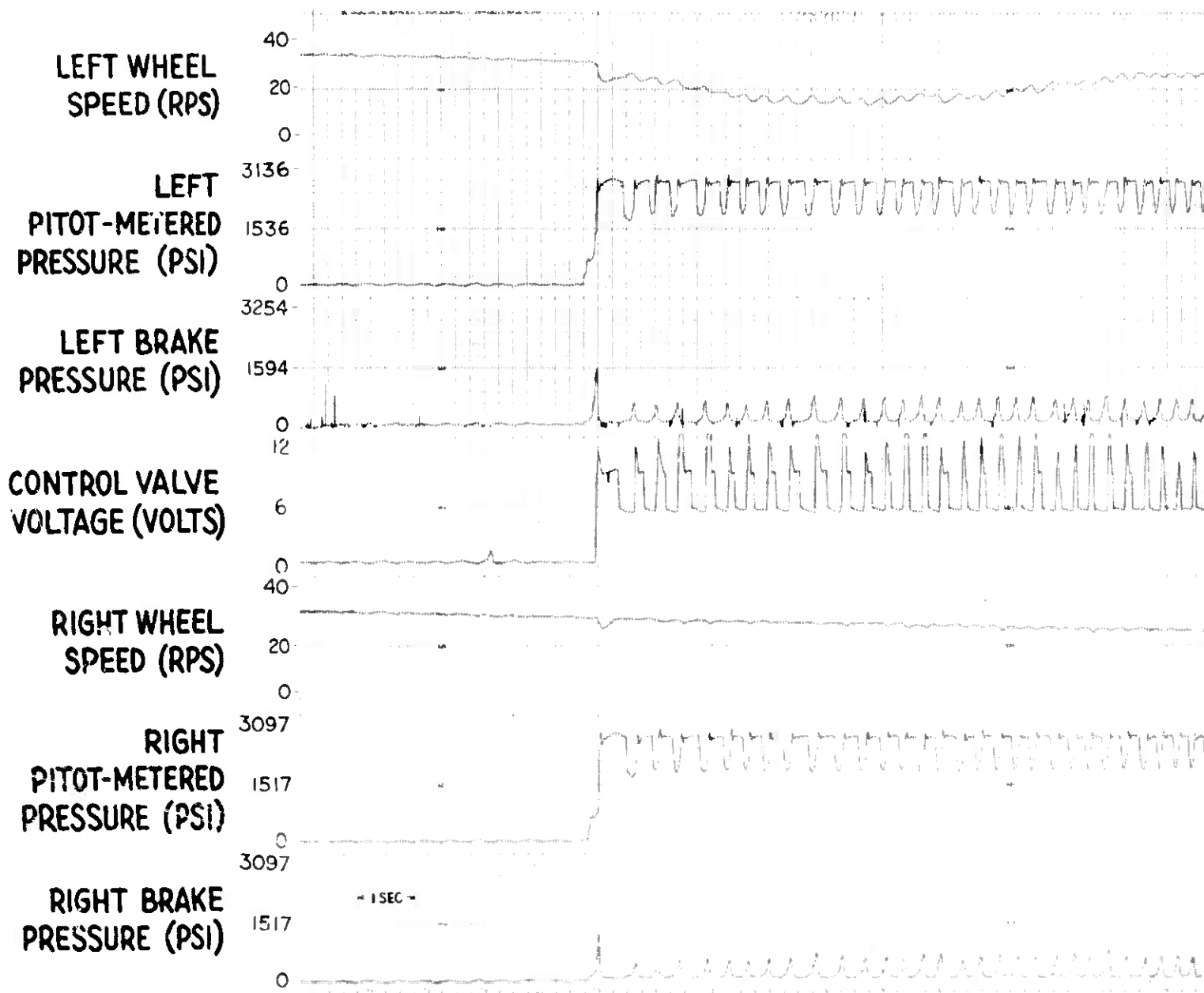
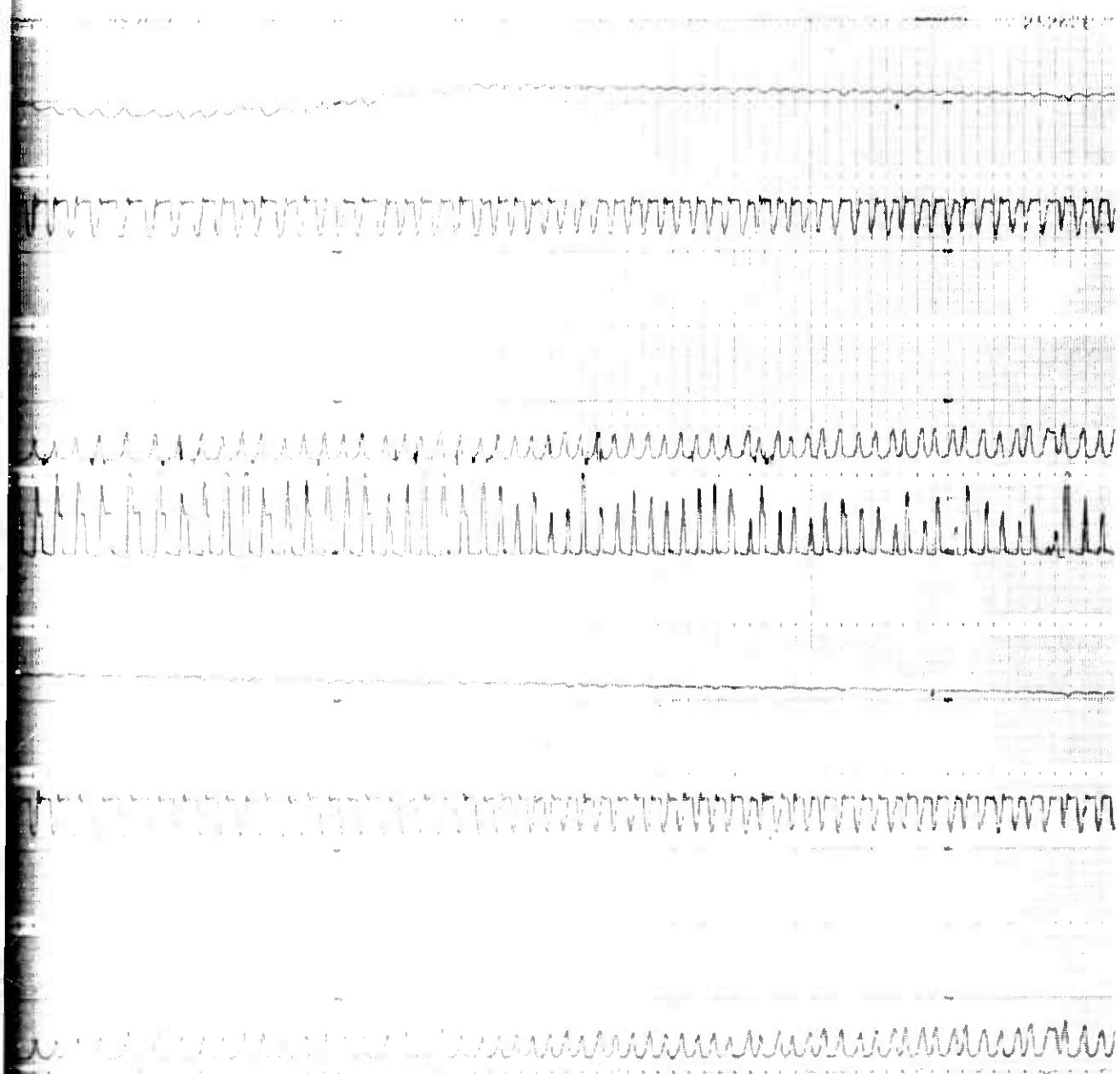


Figure 843



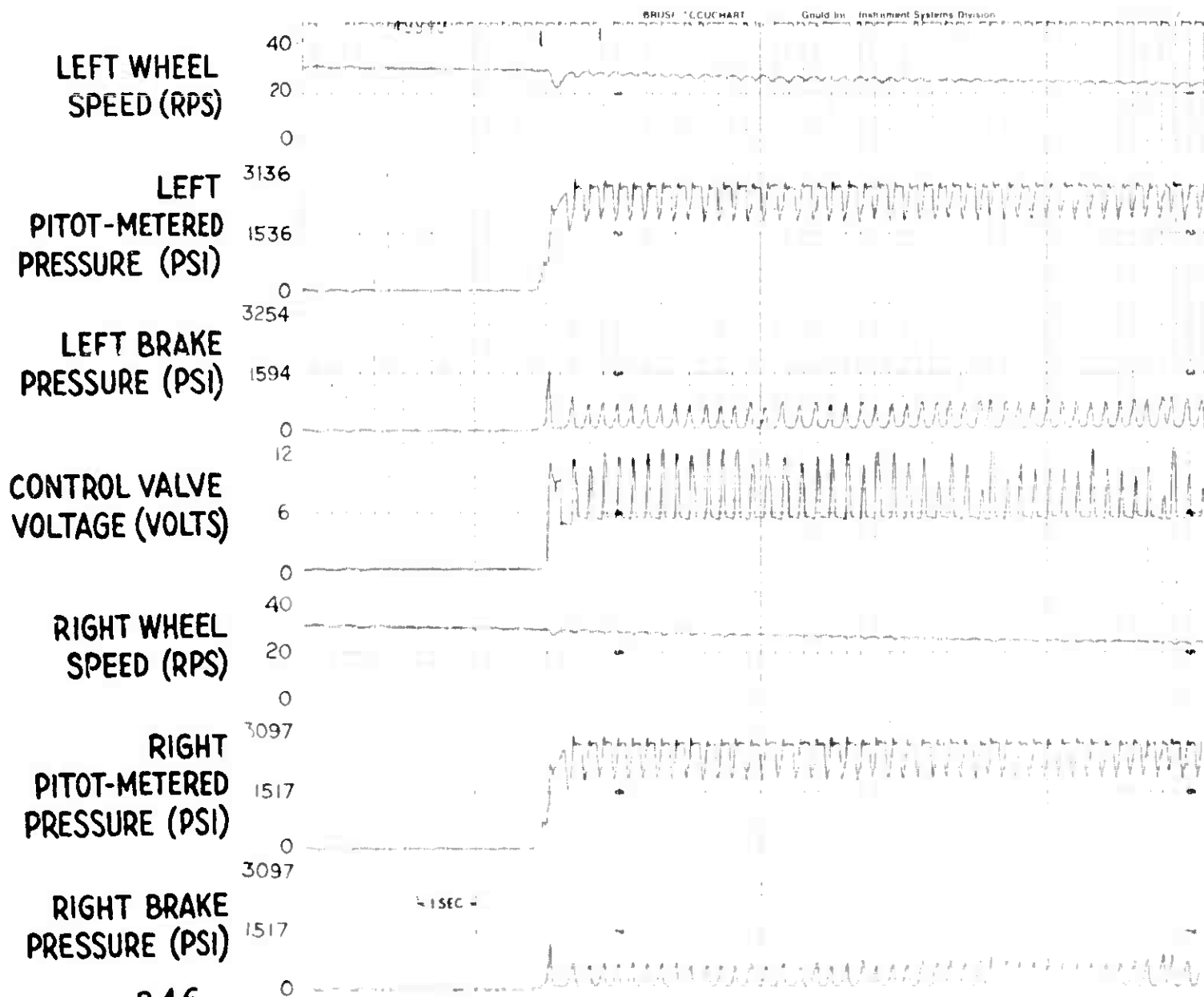
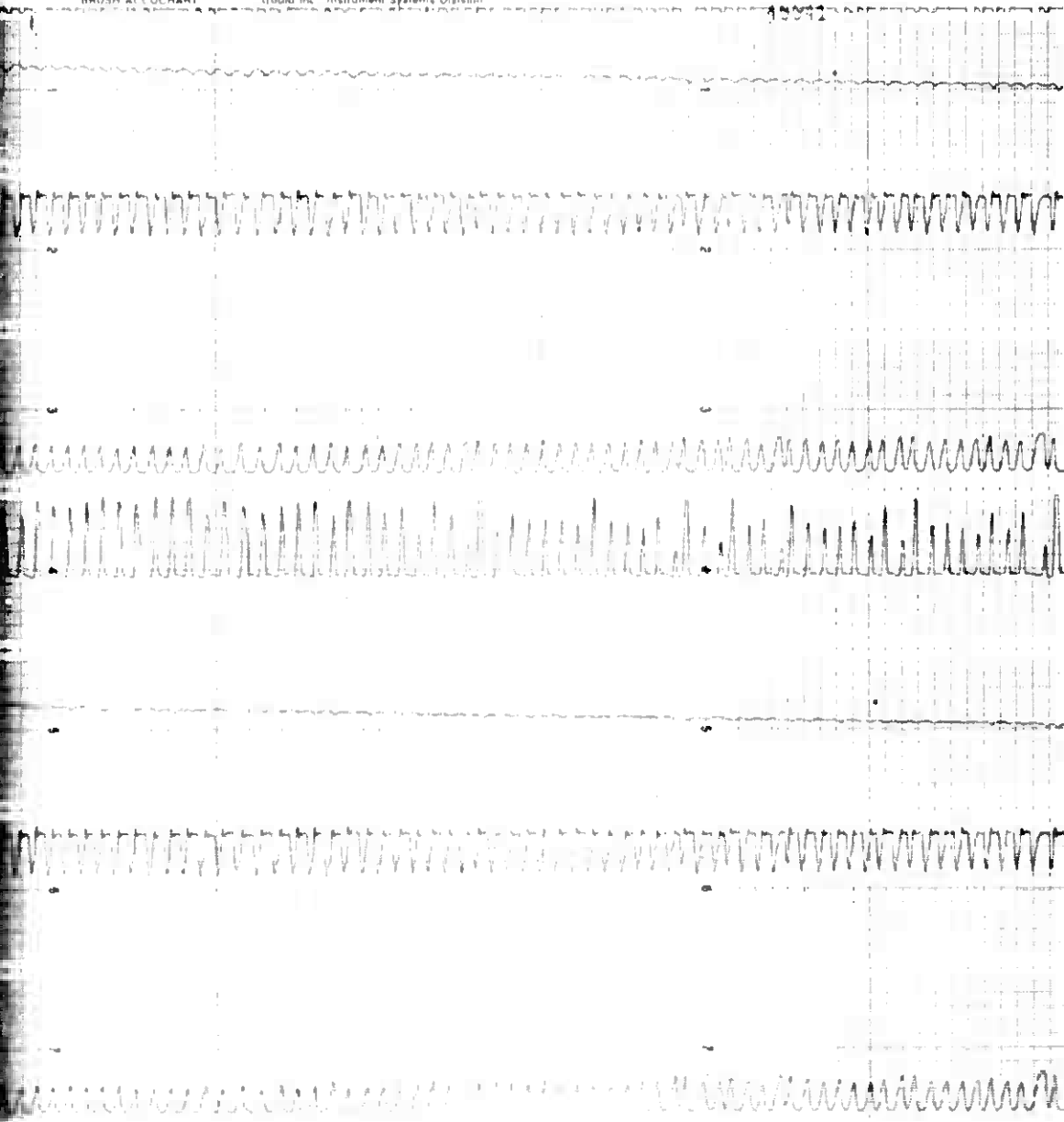


Figure B46

BRUSH ACCUMULATOR

Gould Inc. Instrument Systems Division

10002



1

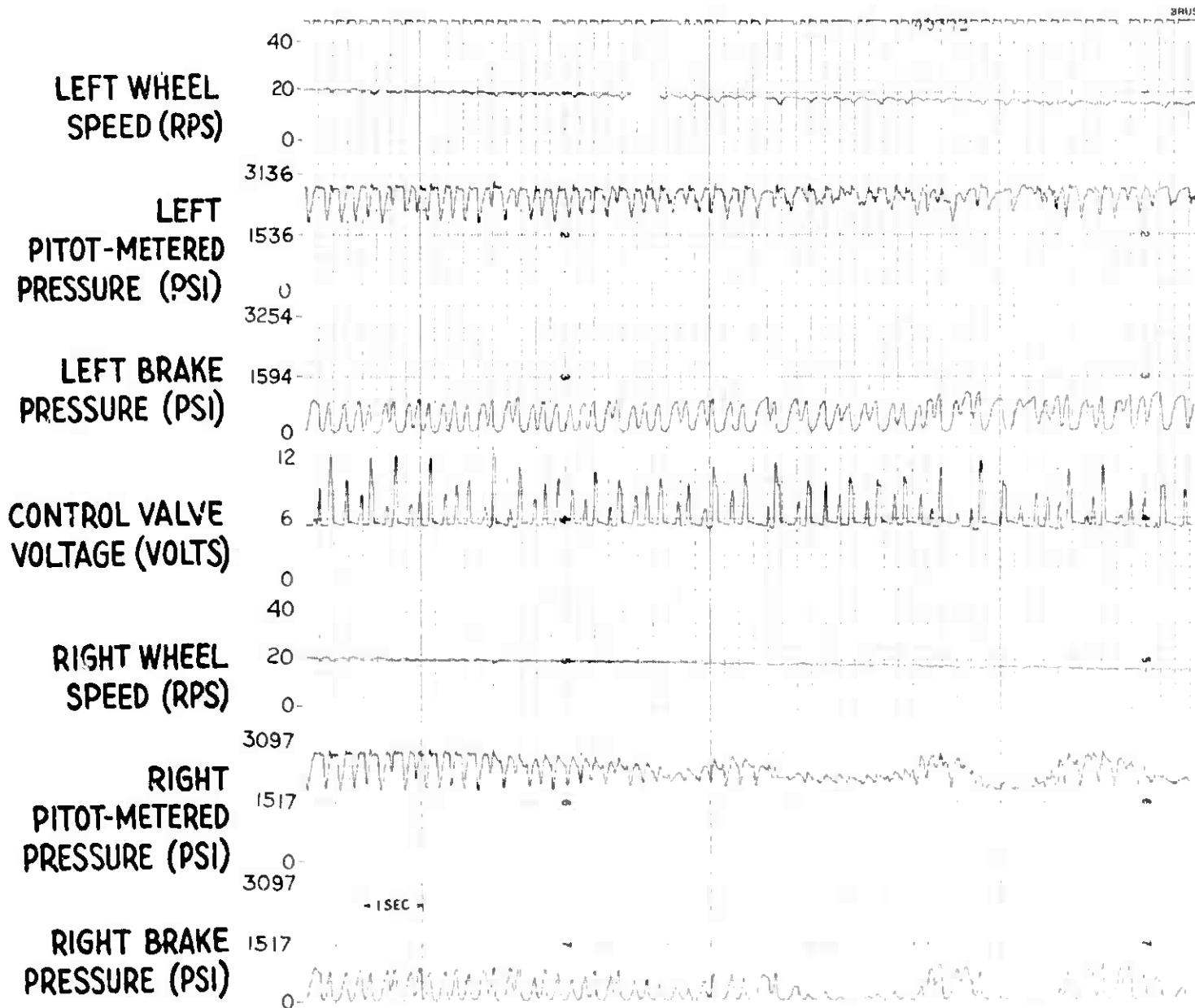
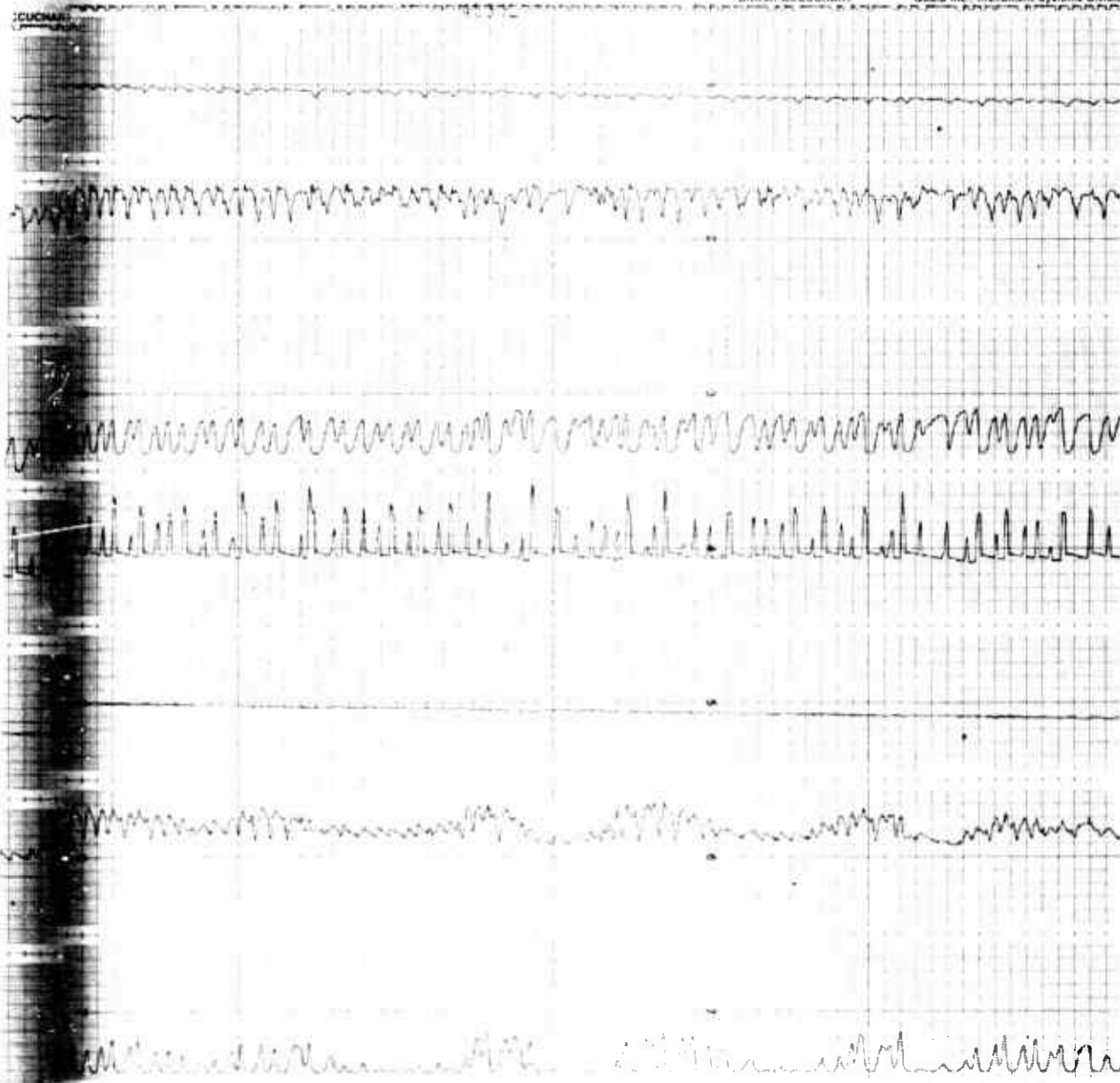


Figure 846
(Continued)



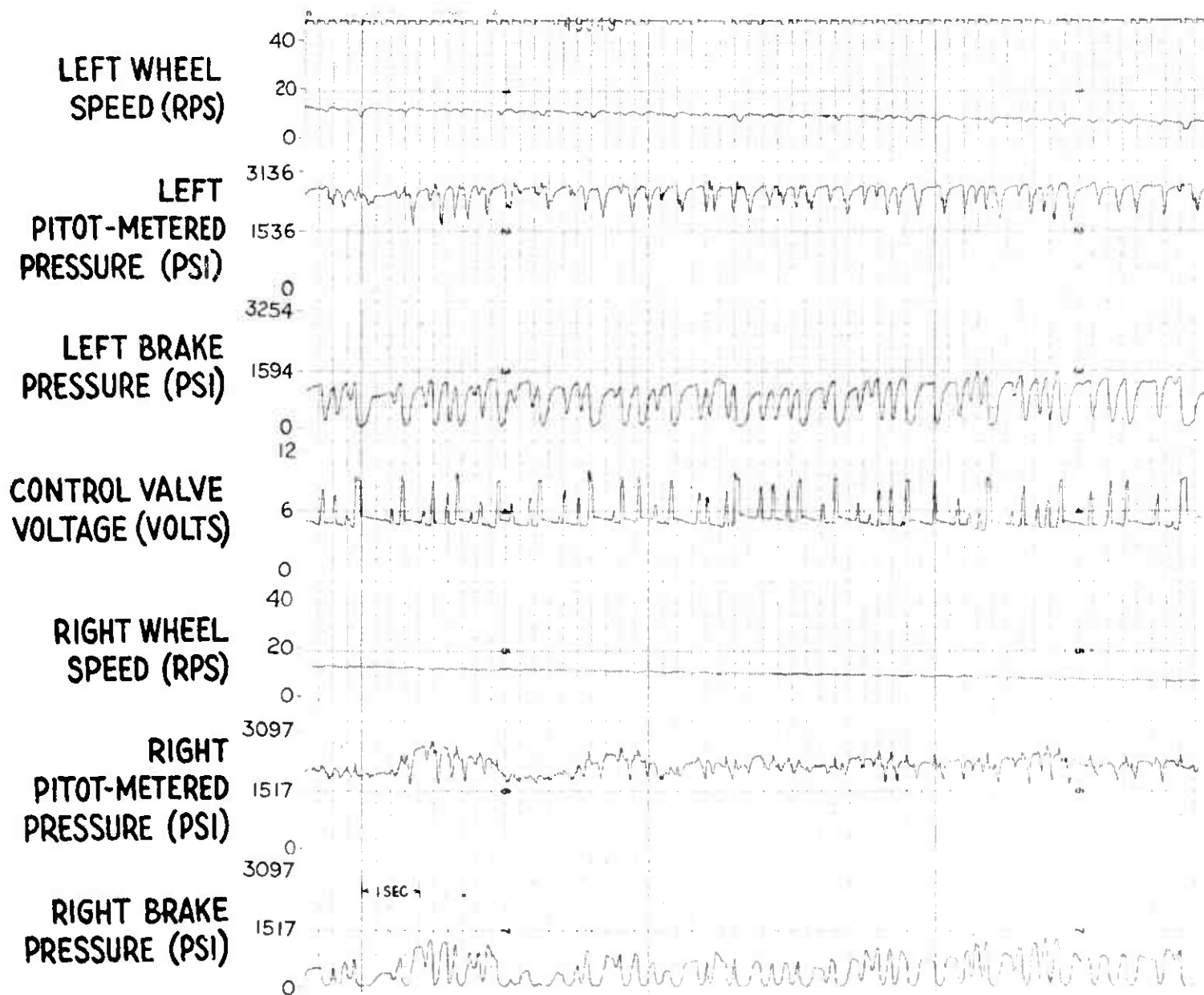
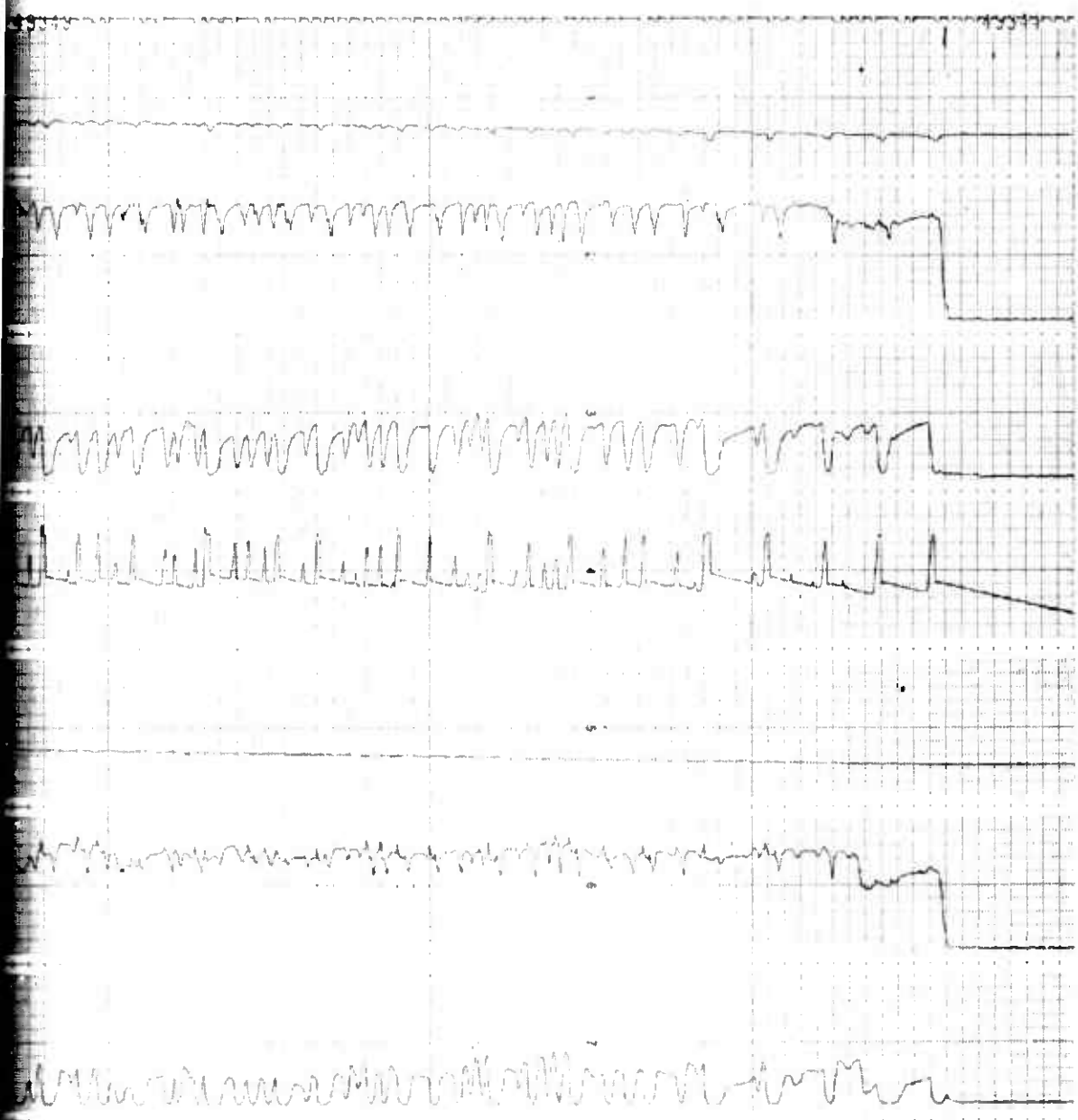


Figure B 46
(Concluded)



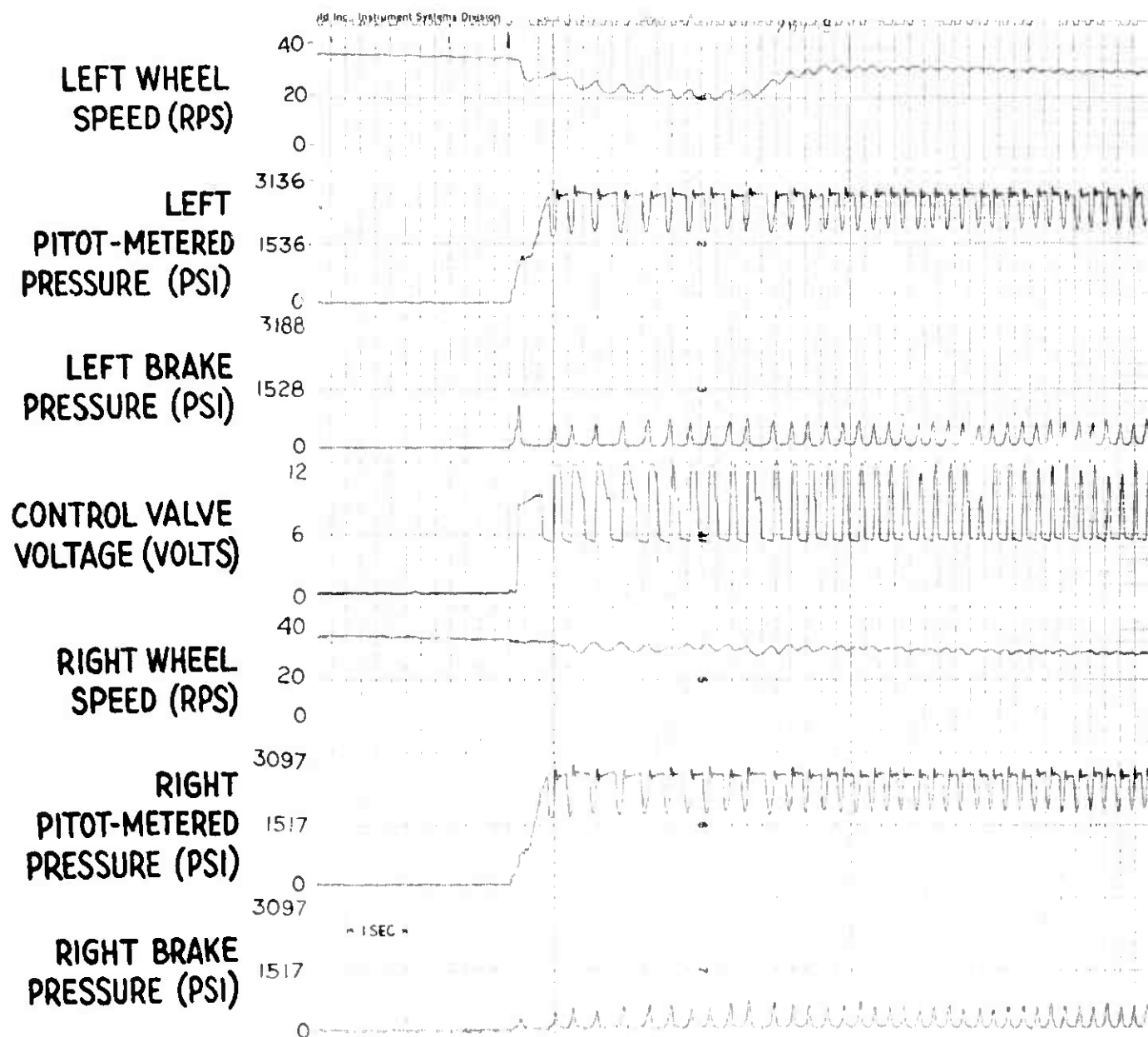


Figure B47

25028

LEFT WHEEL
SPEED (RPS)

LEFT
PITOT-METERED
PRESSURE (PSI)

LEFT BRAKE
PRESSURE (PSI)

CONTROL VALVE
VOLTAGE (VOLTS)

RIGHT WHEEL
SPEED (RPS)

RIGHT
PITOT-METERED
PRESSURE (PSI)

RIGHT BRAKE
PRESSURE (PSI)

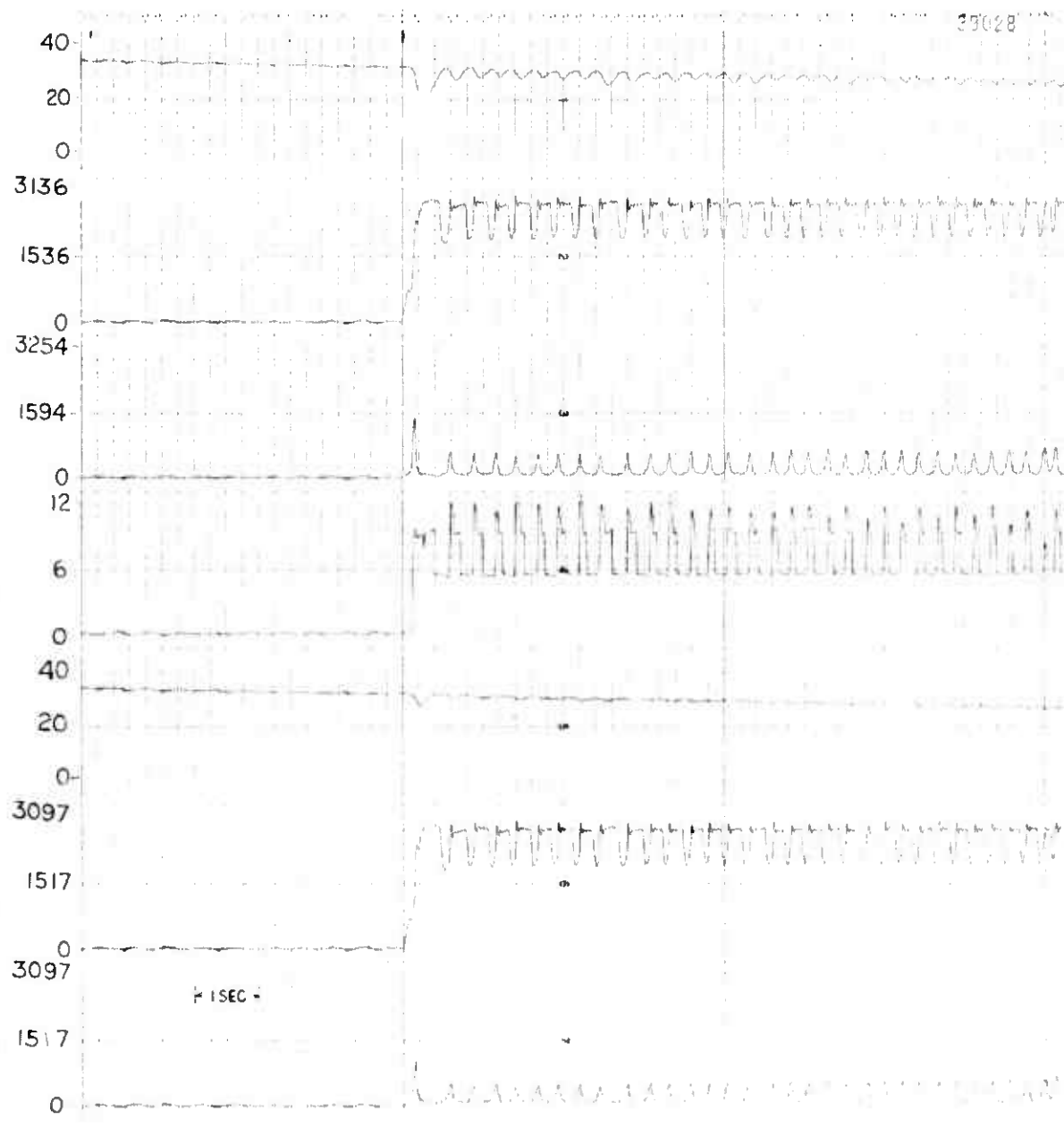
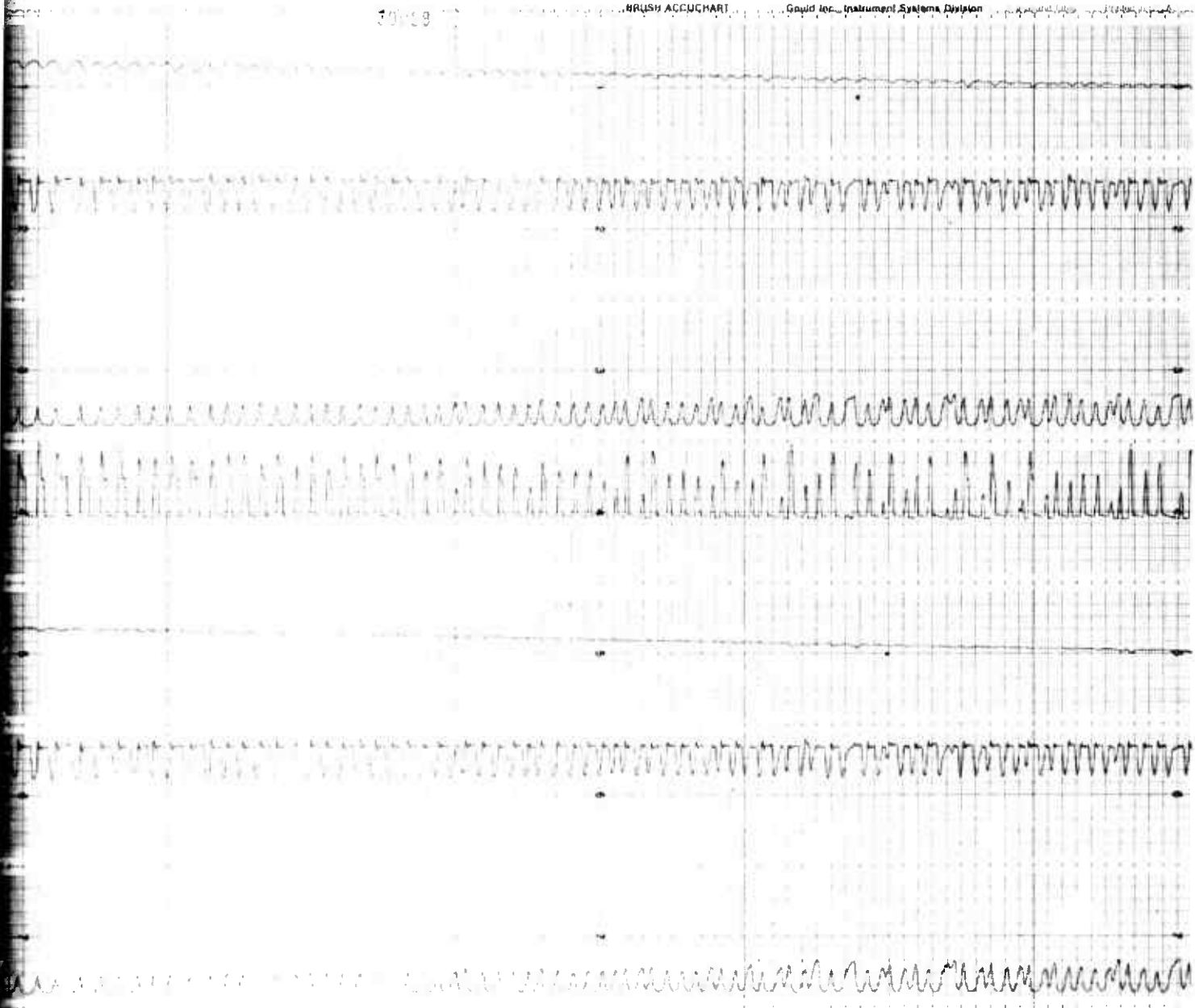


Figure B 48

70159

BRUSH ACROCHART

Fluid Instrument Systems Division



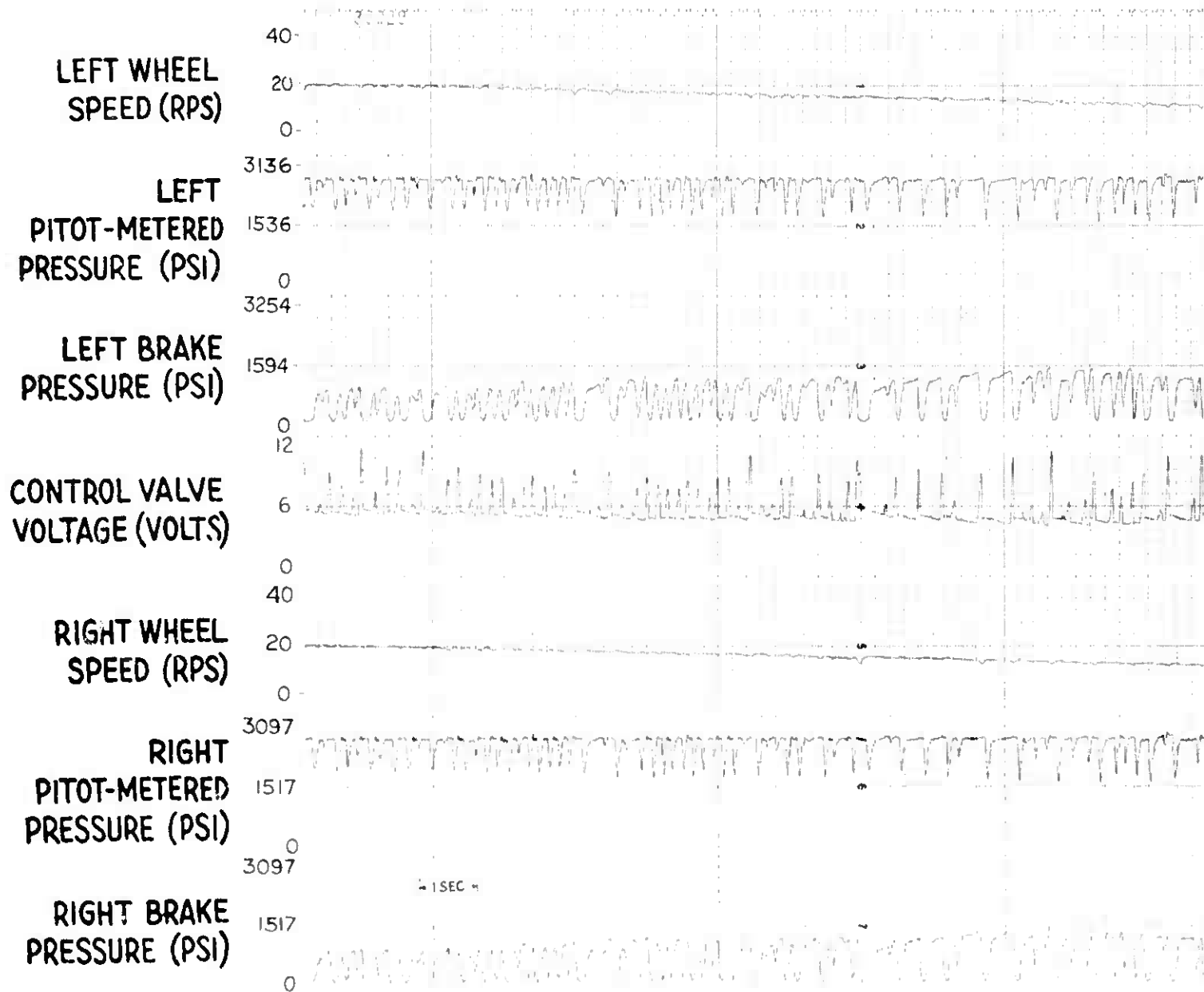
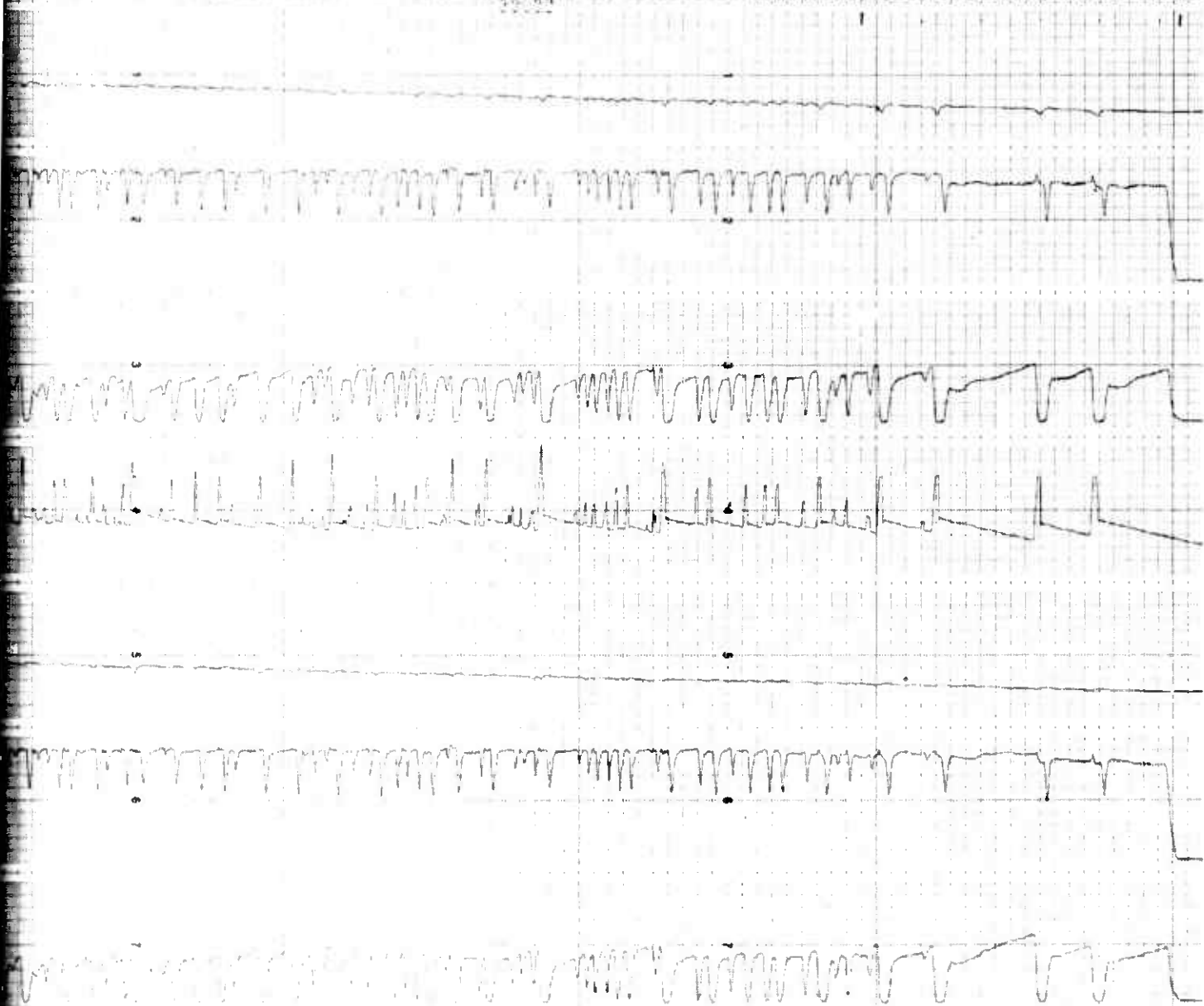


Figure B 48
(Concluded)

BRUSH ACCUCHART

Gould Inc., Instrument Systems Division



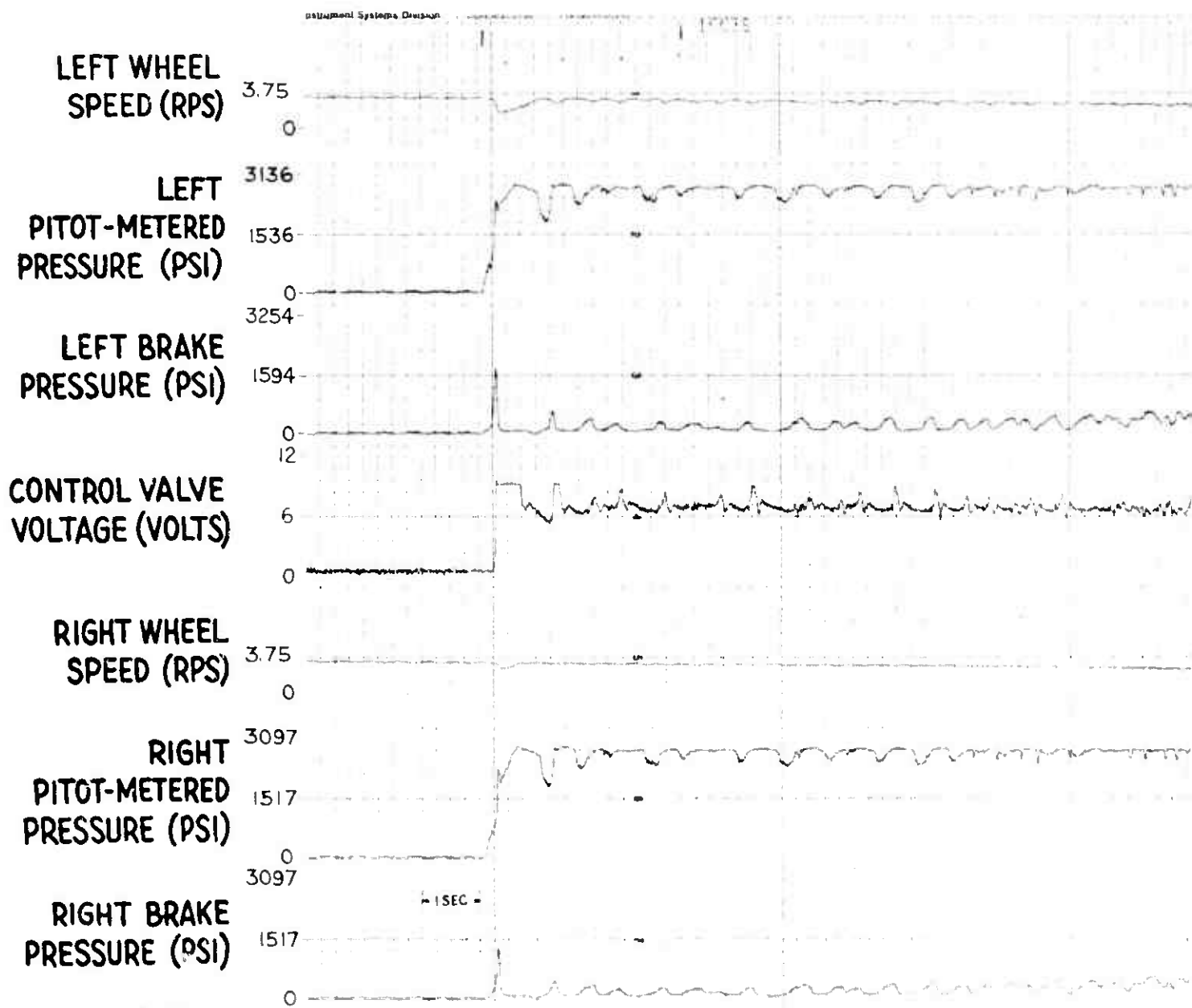
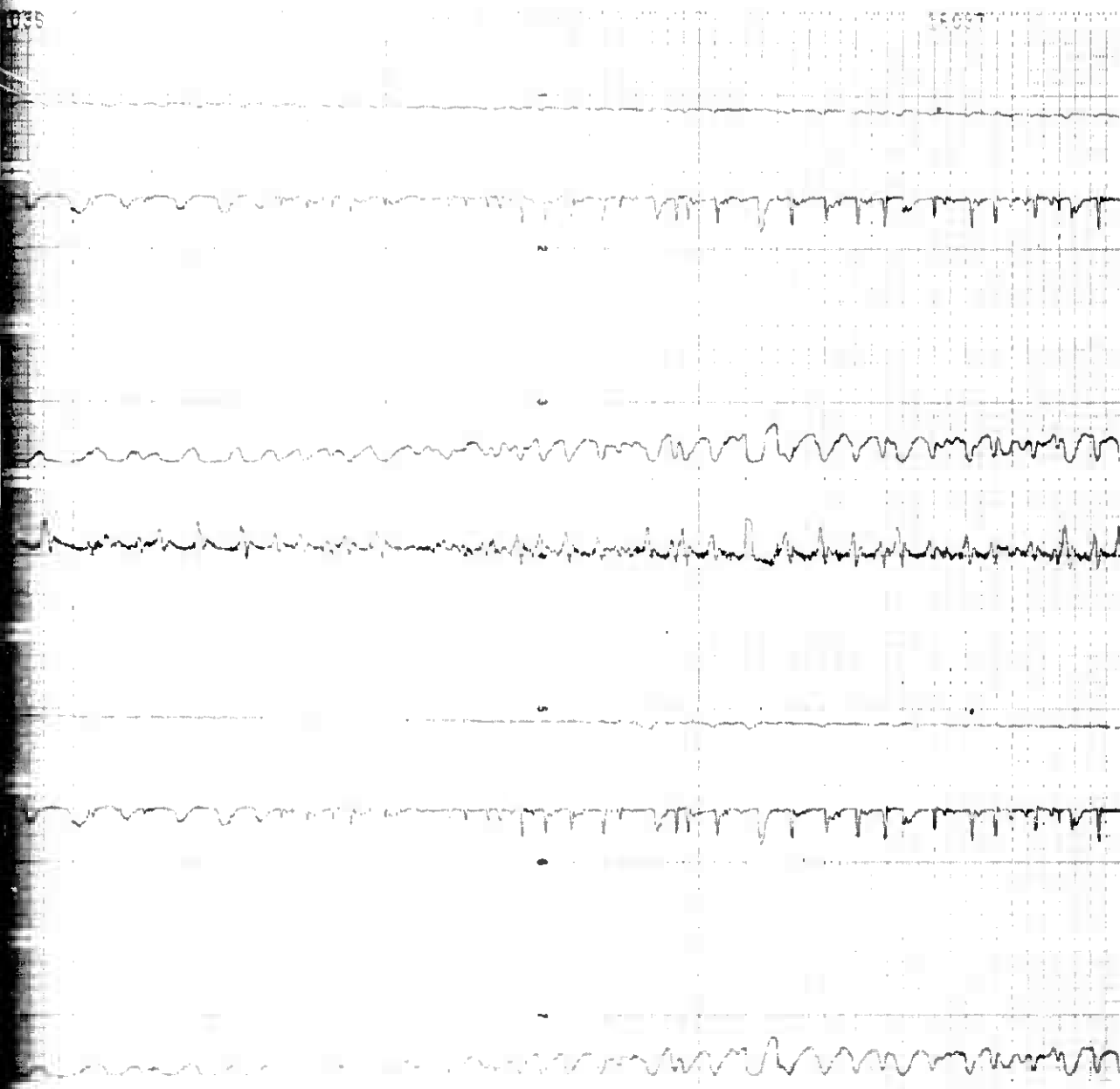


Figure 849

1935

19097



BRUSH ACCUCHART

Gould Inc., Instrument Systems Division

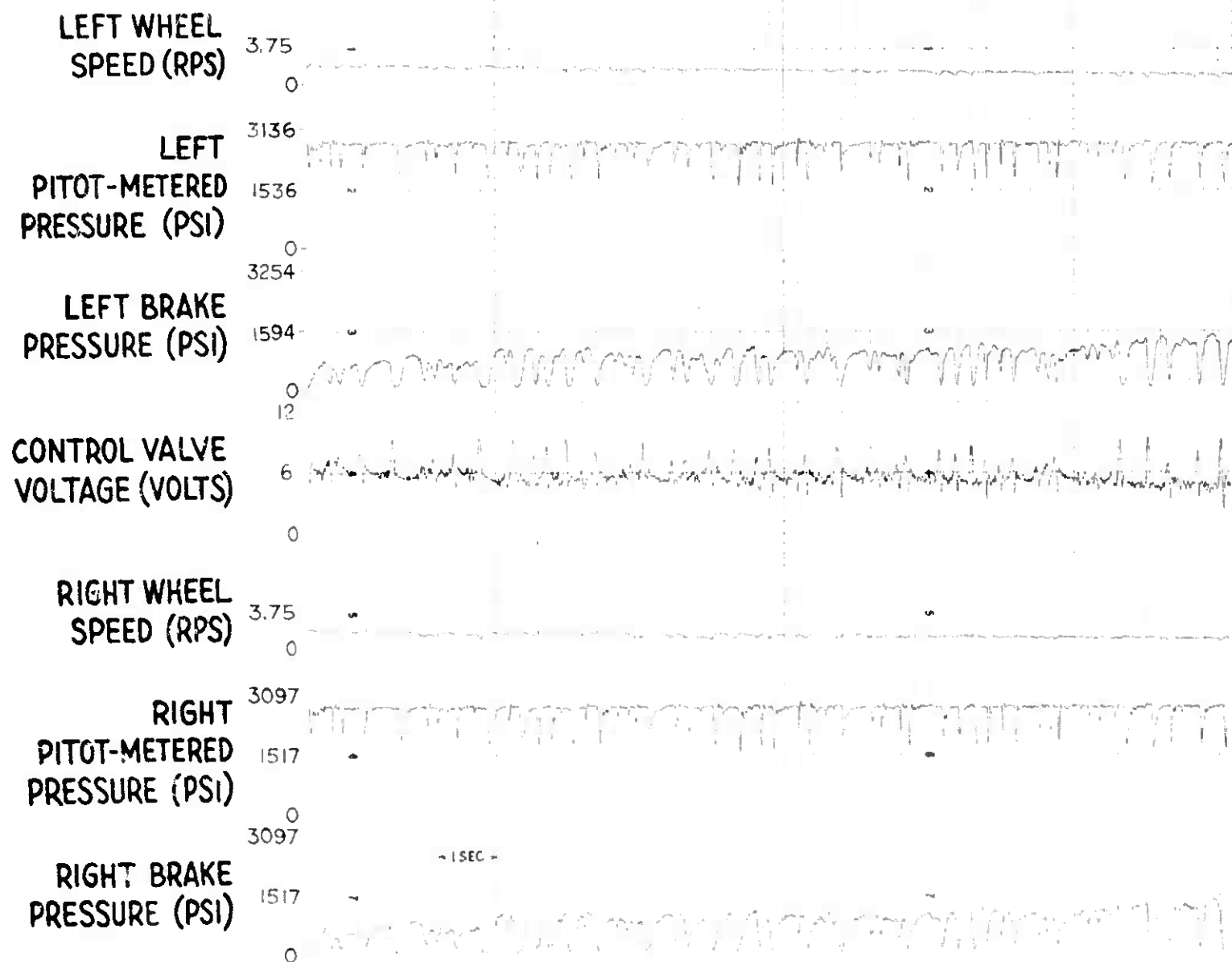
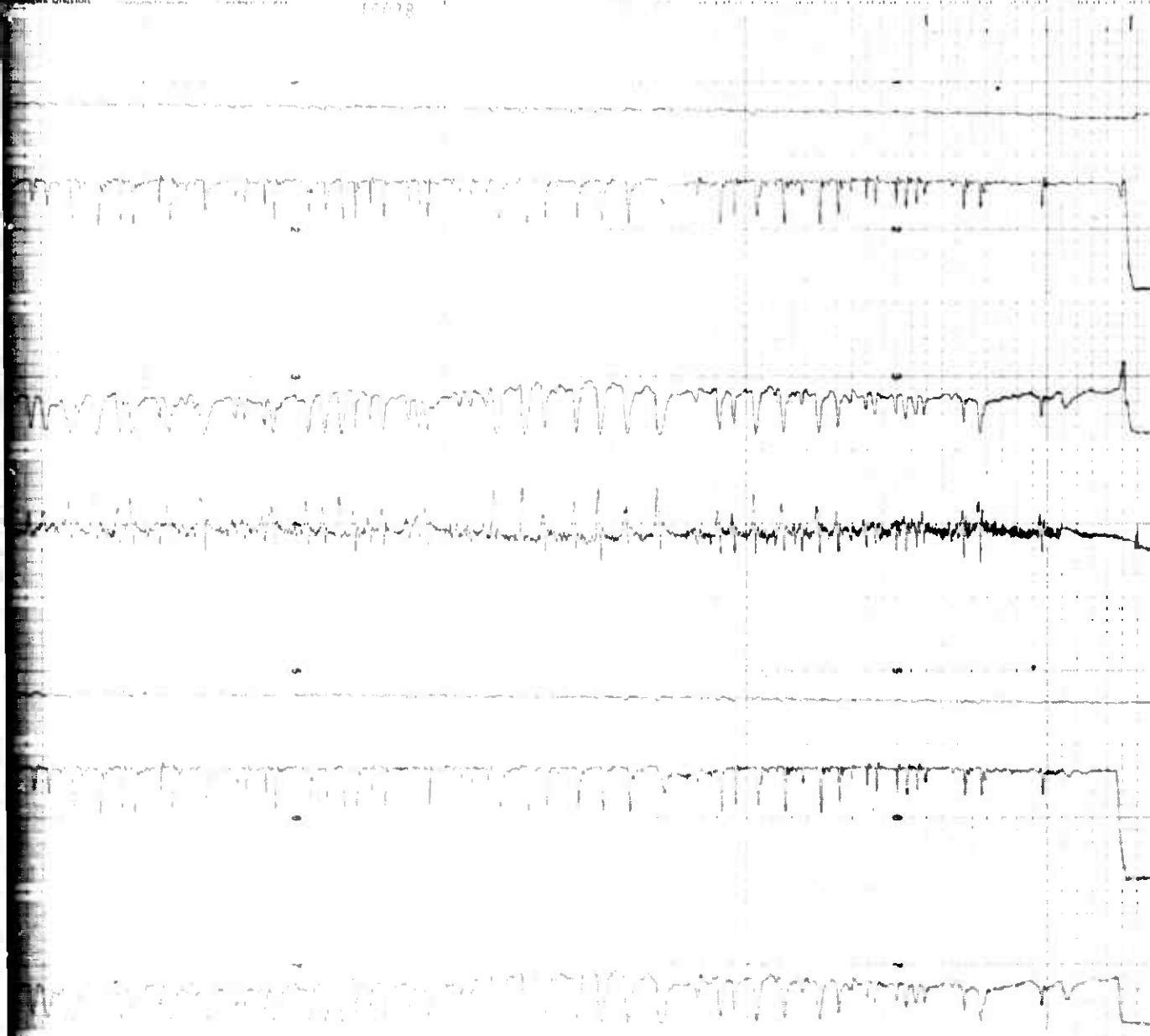


Figure 849
(Concluded)



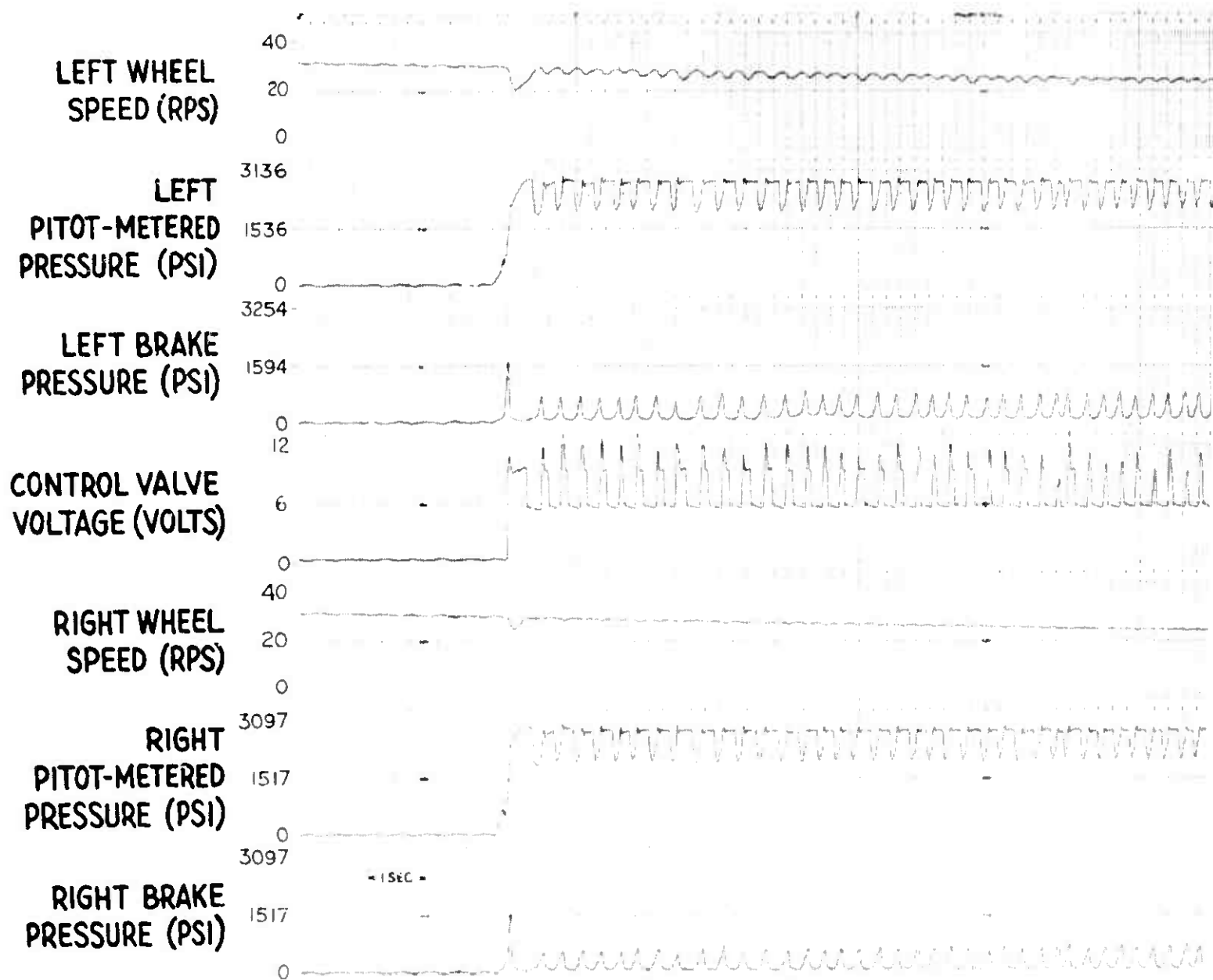
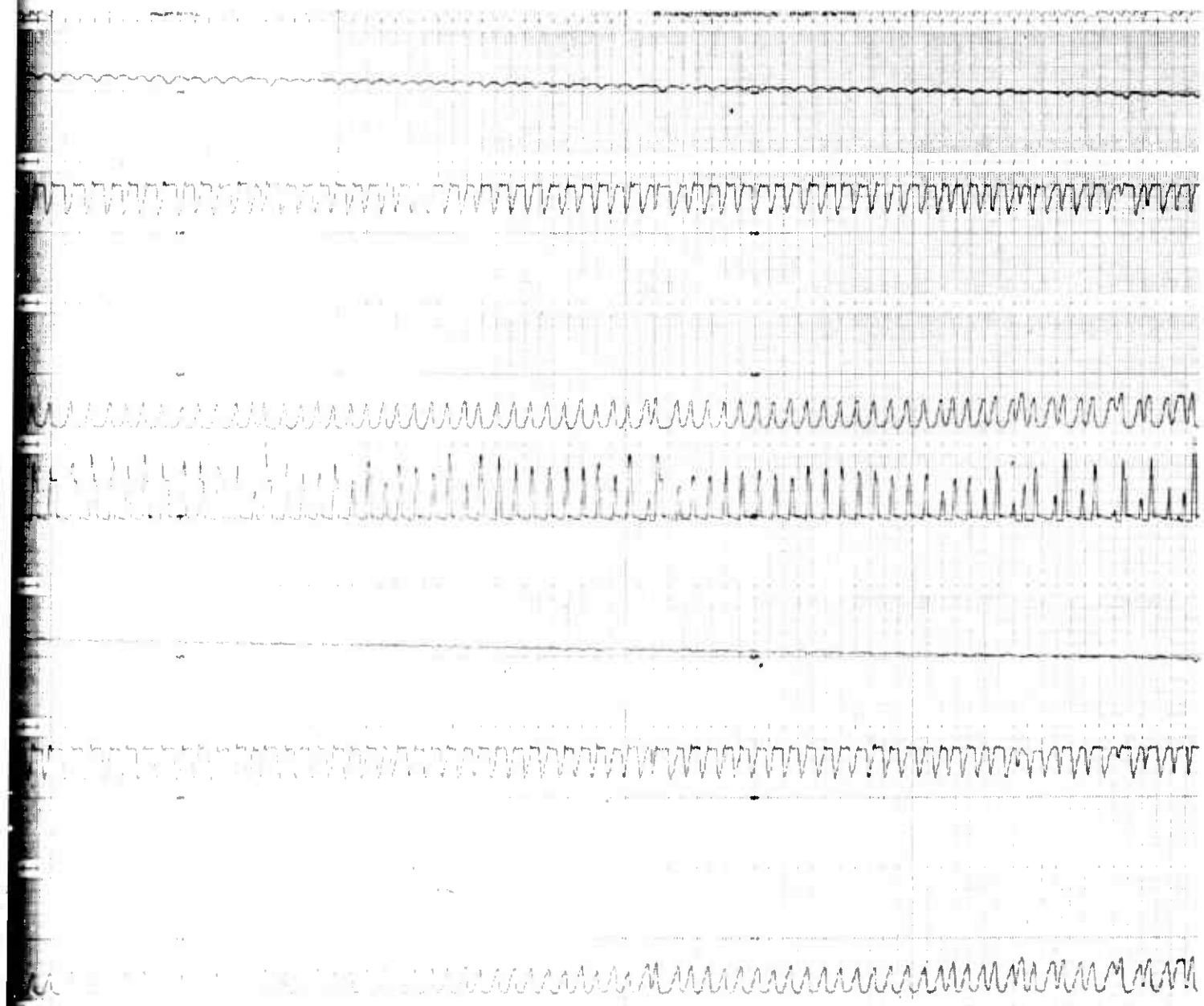


Figure B 50



LEFT WHEEL
SPEED (RPS)

LEFT
PITOT-METERED
PRESSURE (PSI)

LEFT BRAKE
PRESSURE (PSI)

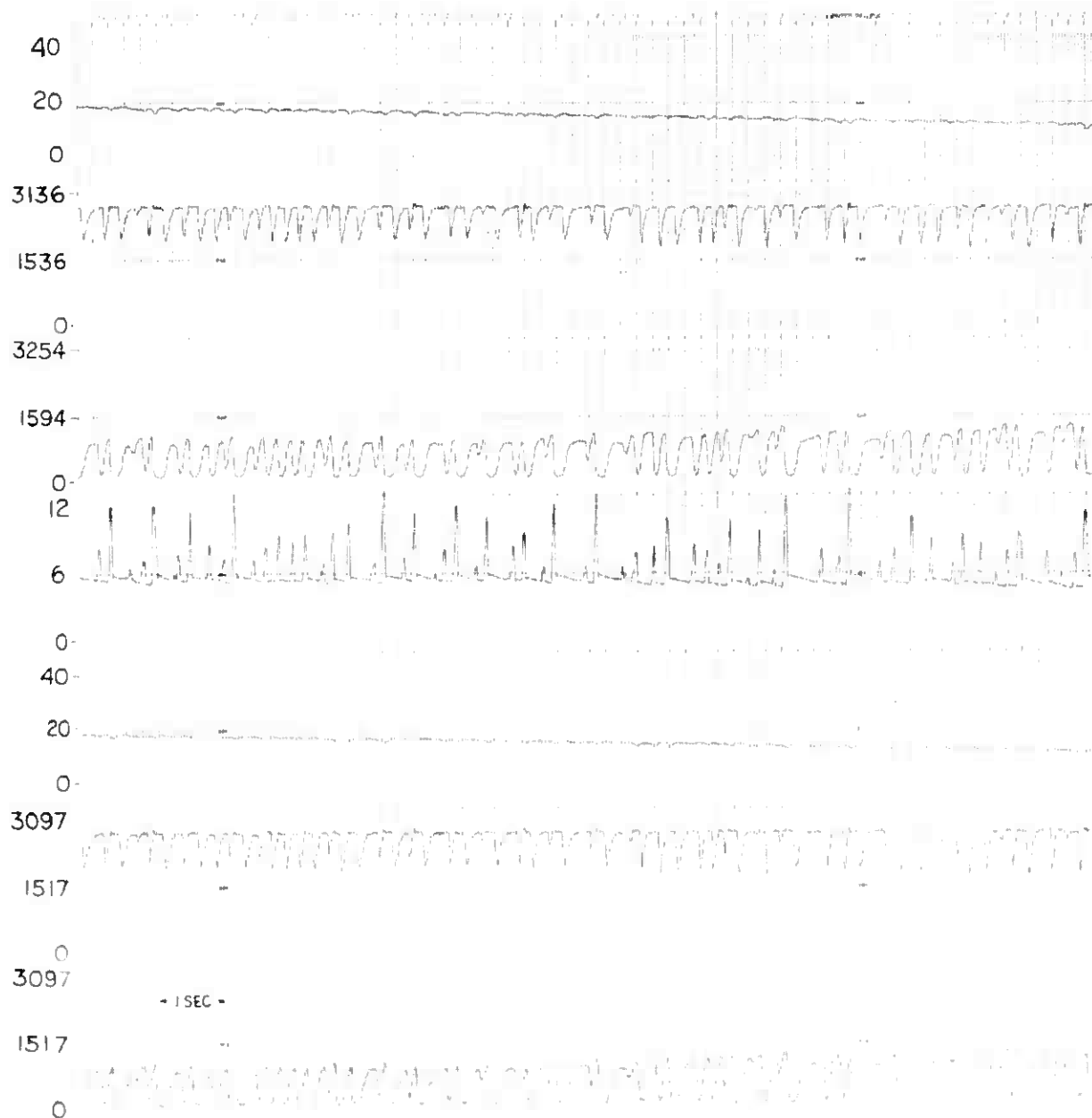
CONTROL VALVE
VOLTAGE (VOLTS)

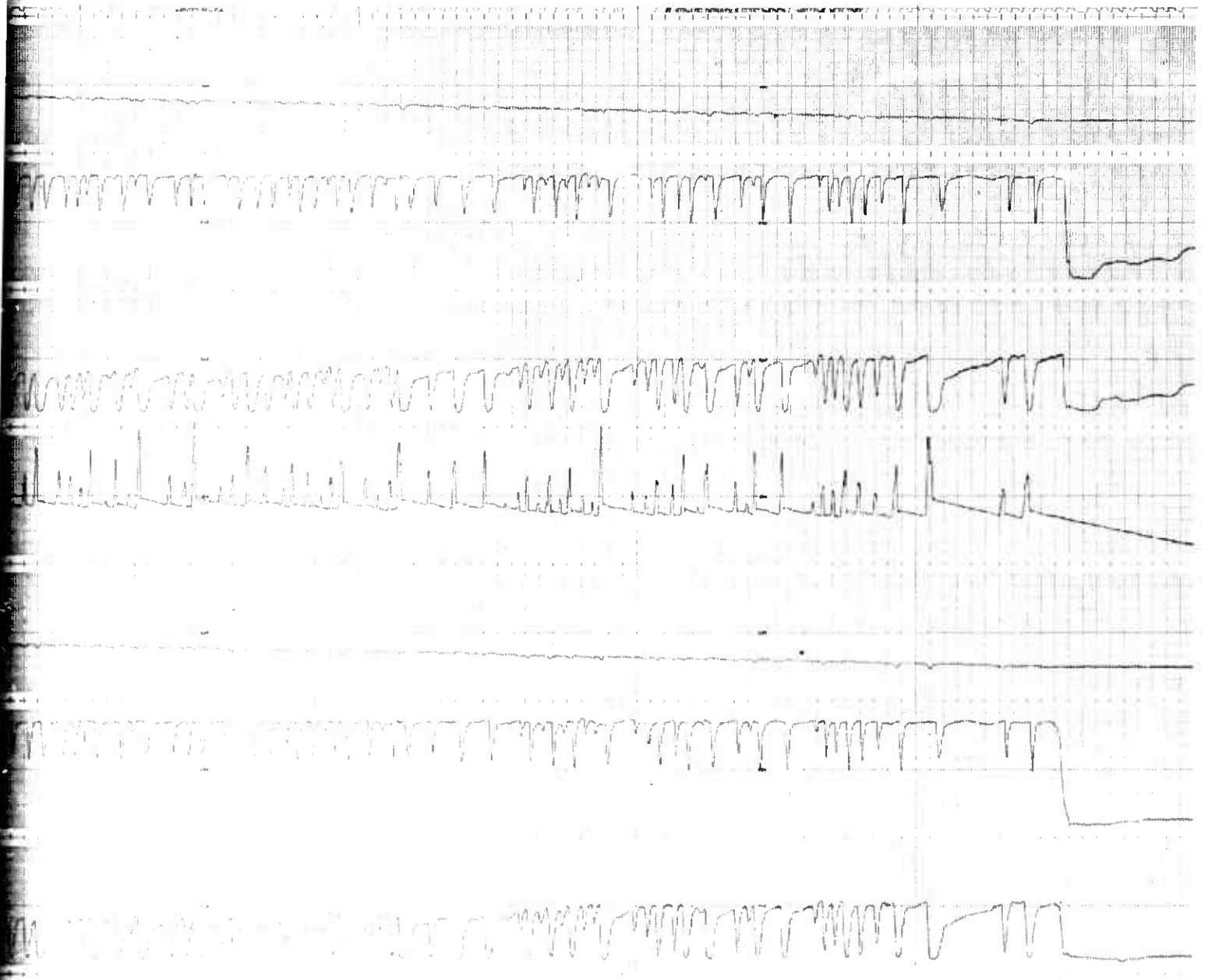
RIGHT WHEEL
SPEED (RPS)

RIGHT
PITOT-METERED
PRESSURE (PSI)

RIGHT BRAKE
PRESSURE (PSI)

Figure B50
(Concluded)





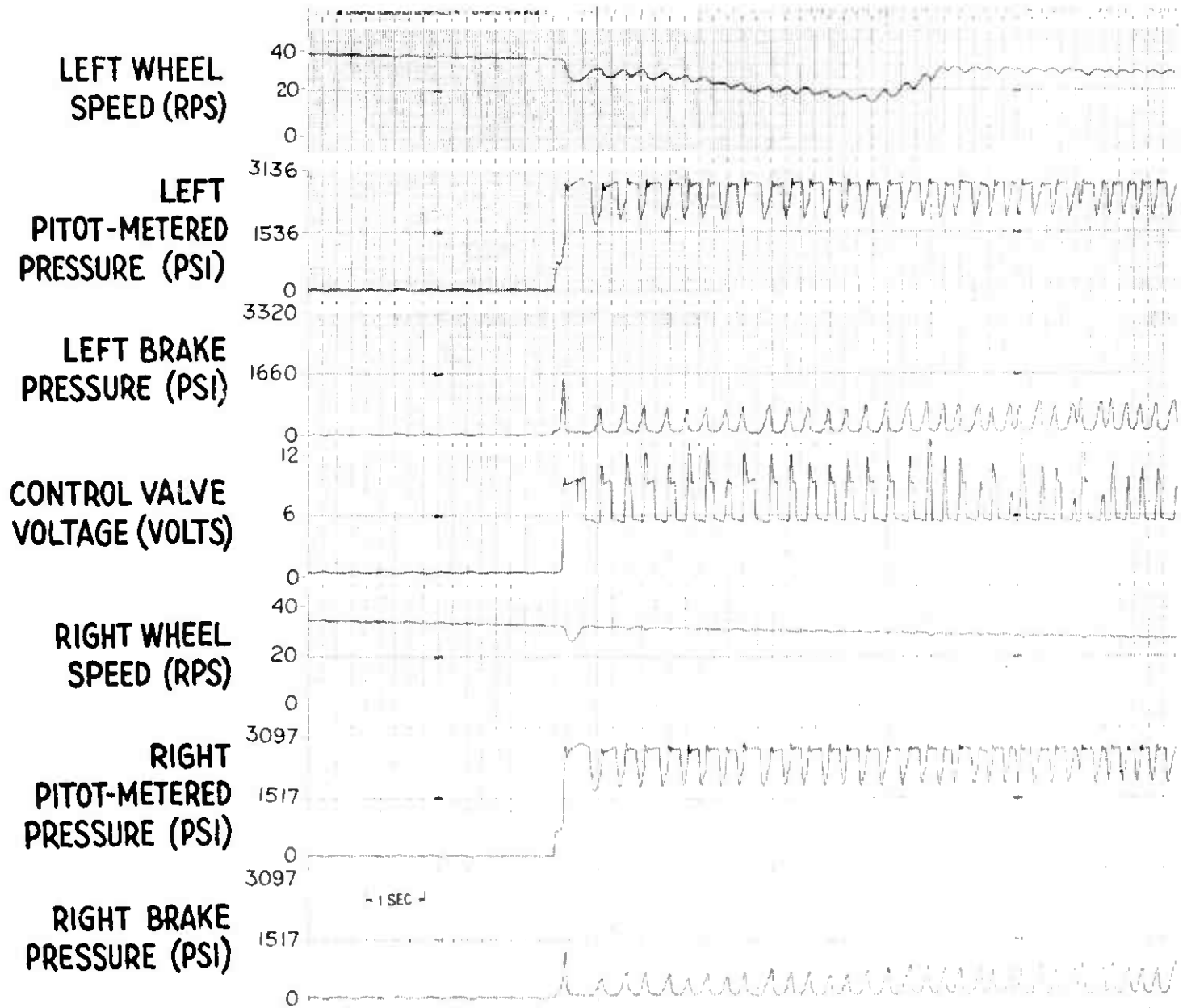


Figure 851

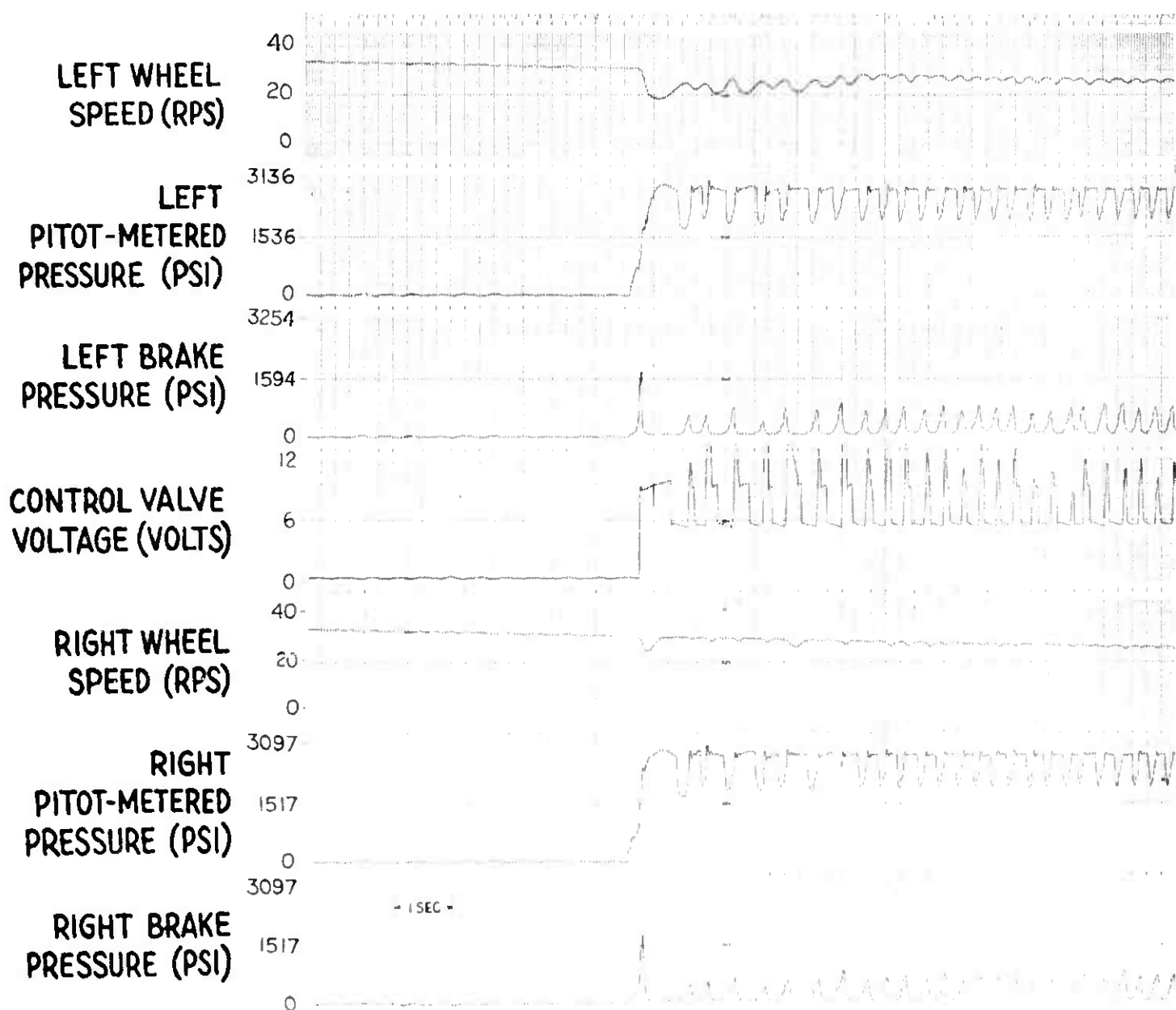


Figure B52

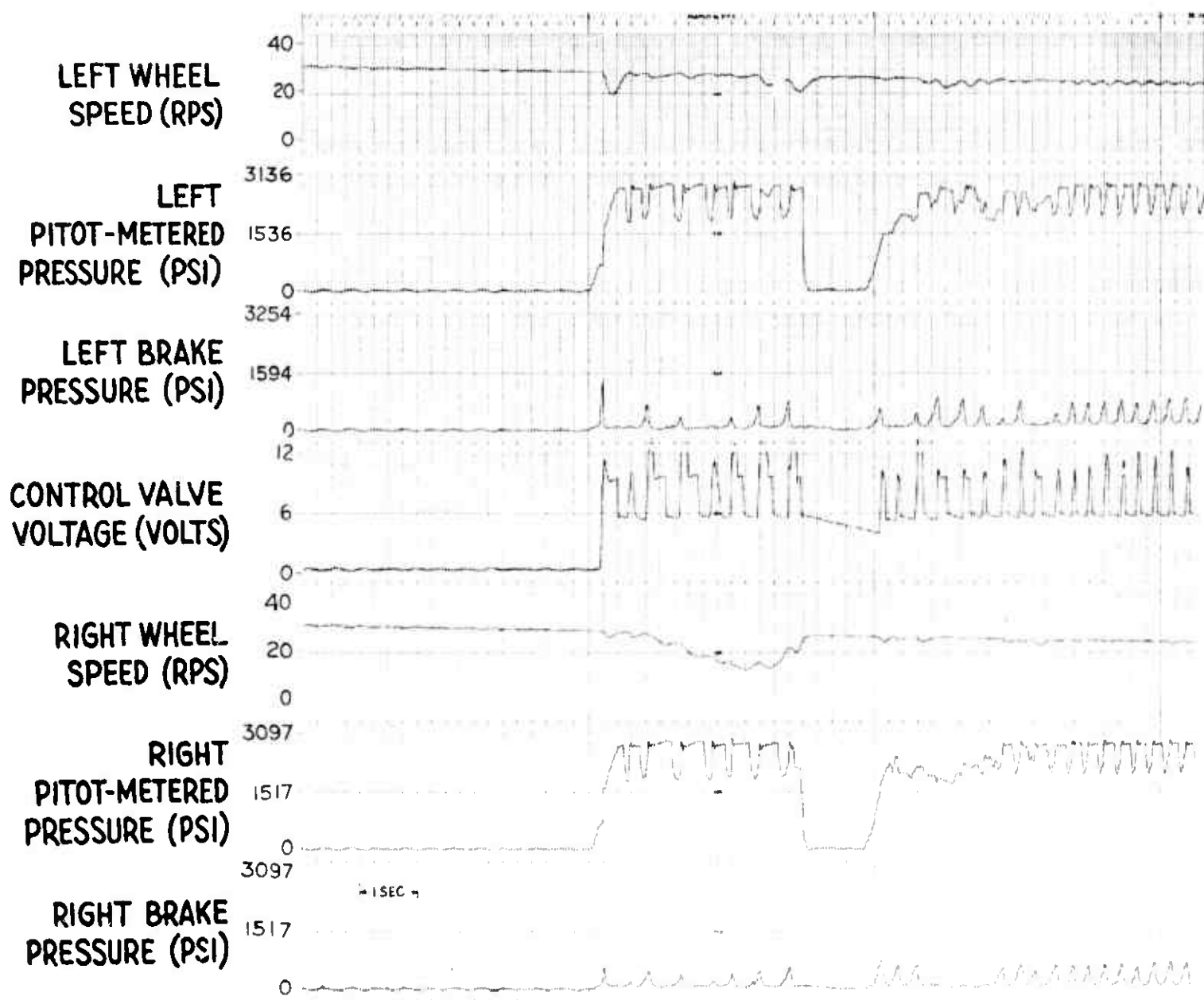
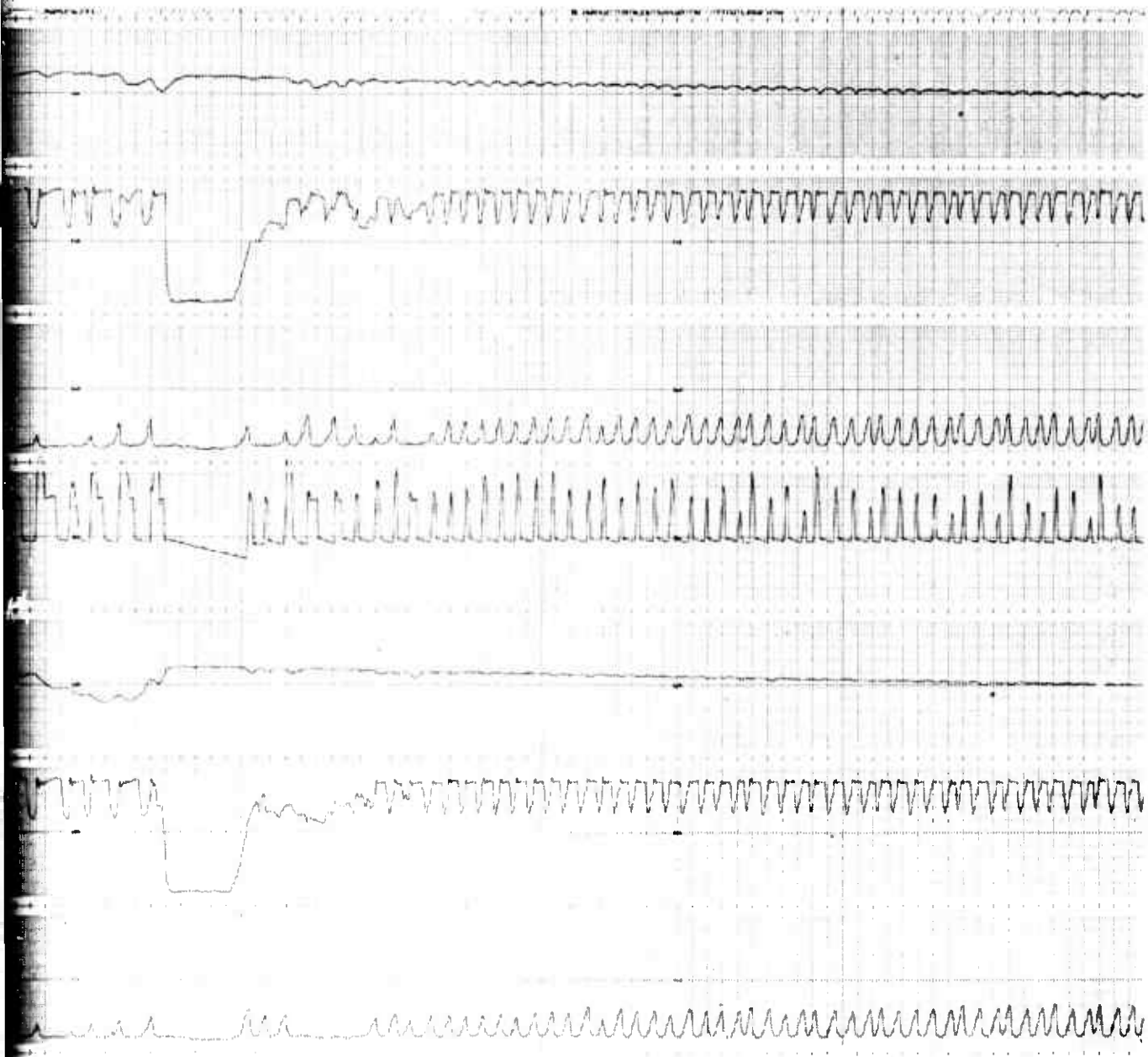


Figure B 53



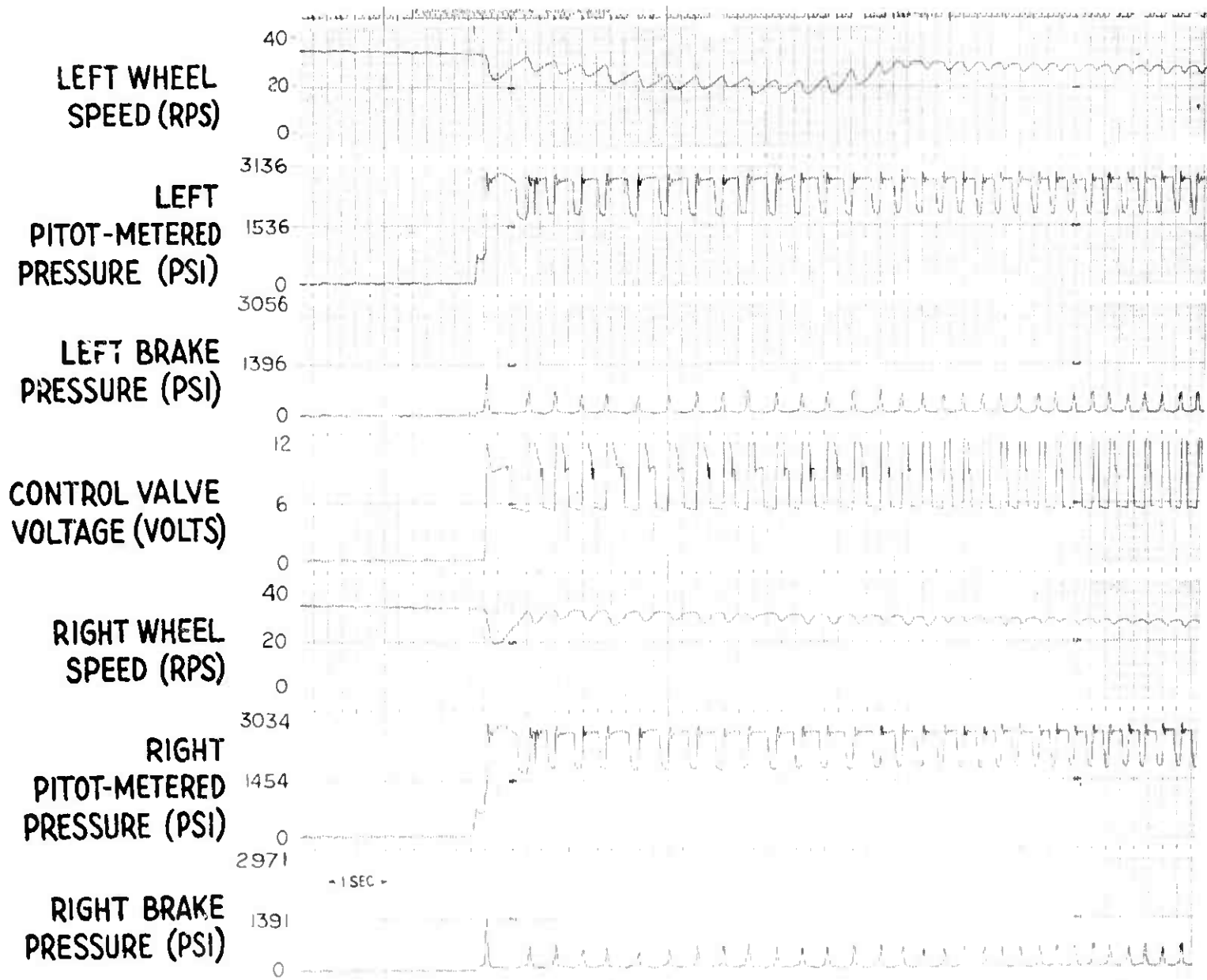


Figure B54

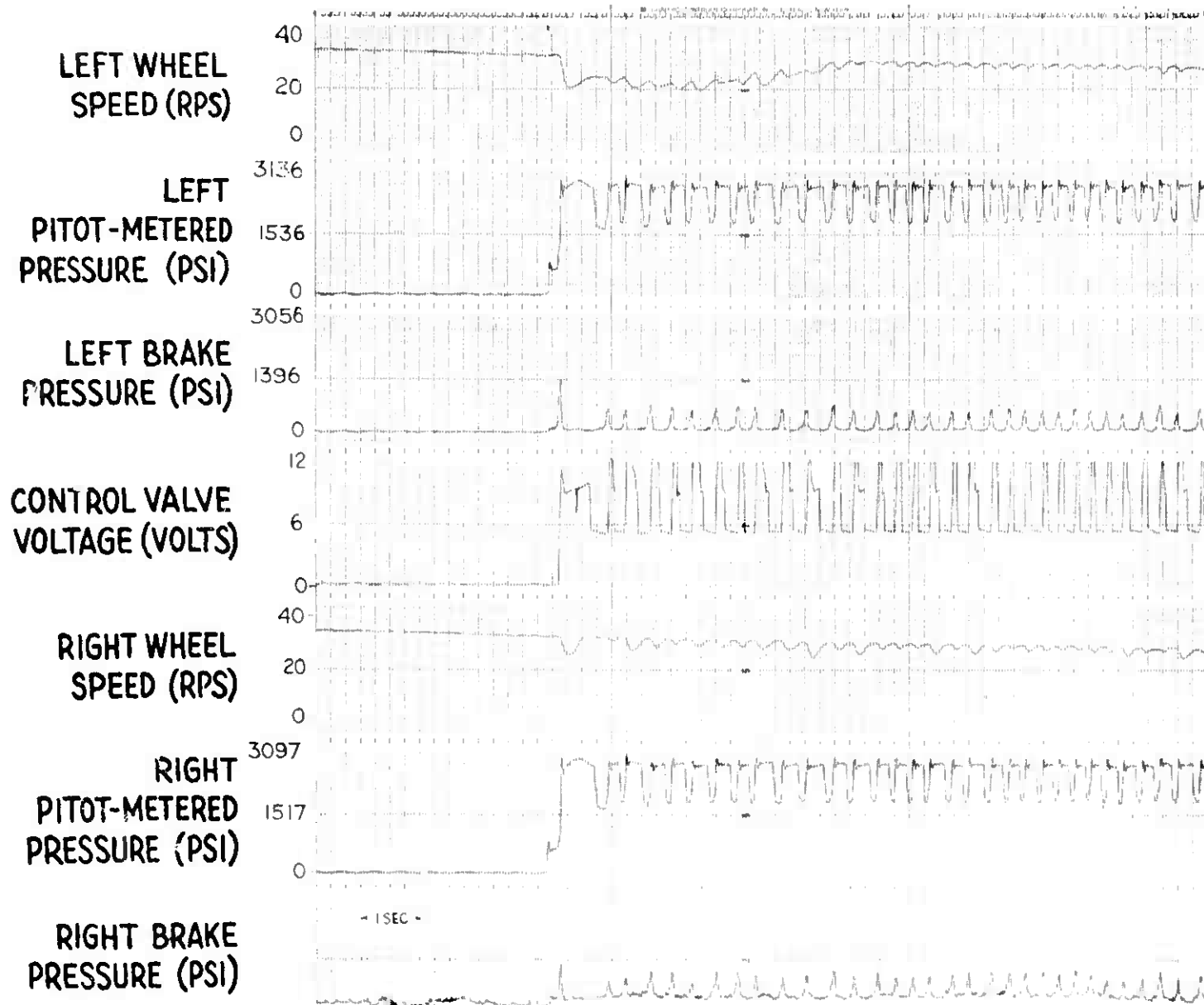


Figure 855

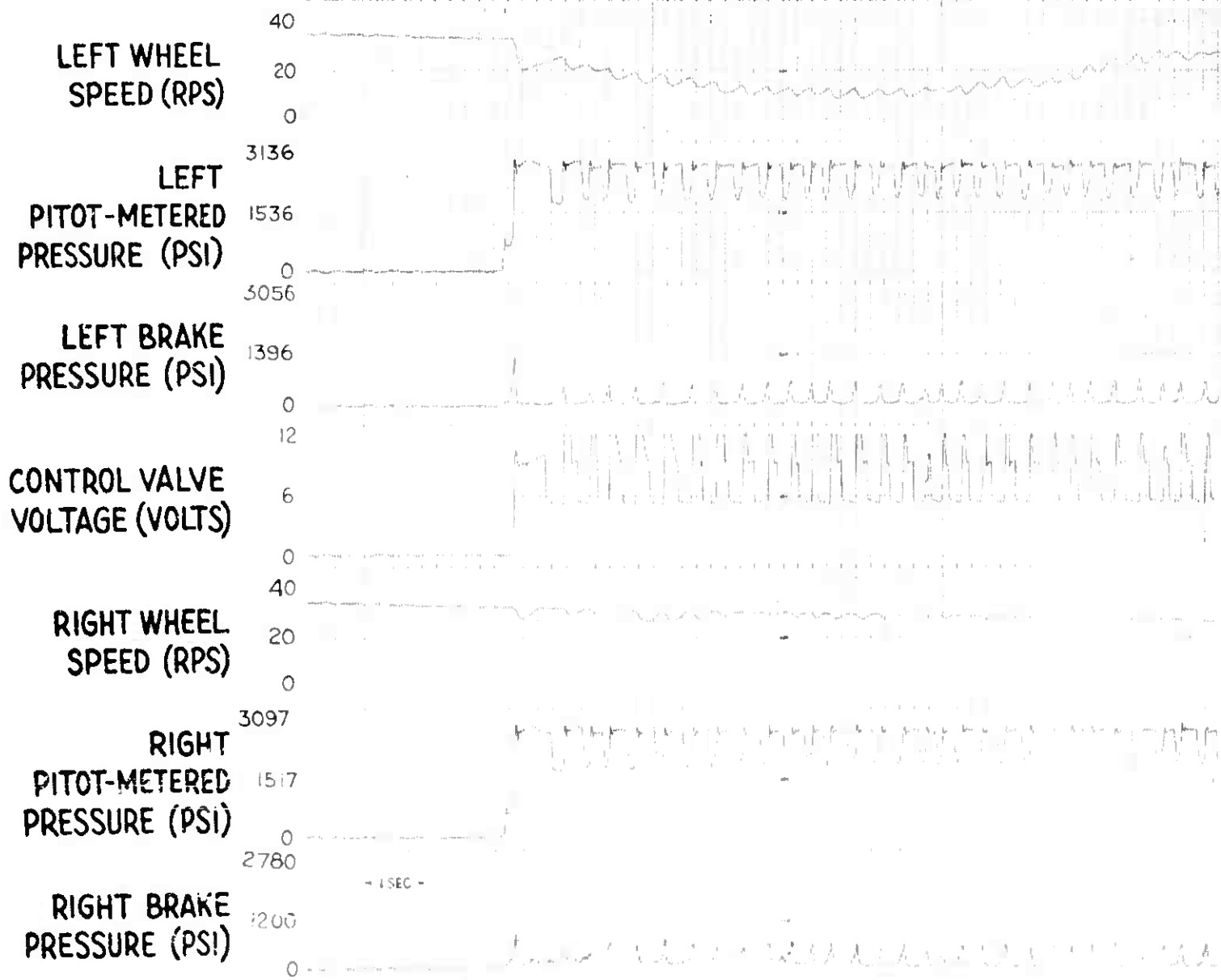
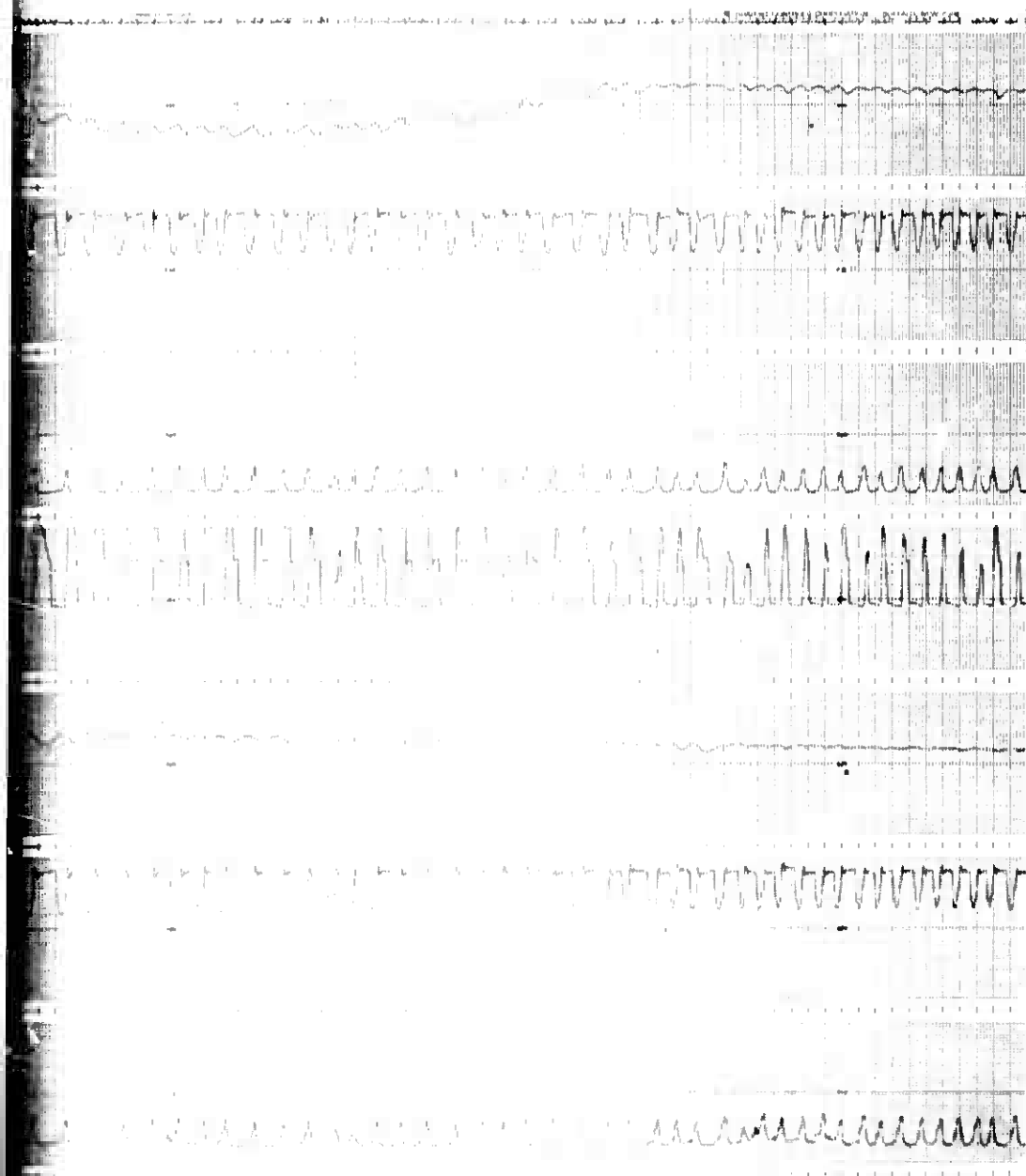


Figure B56



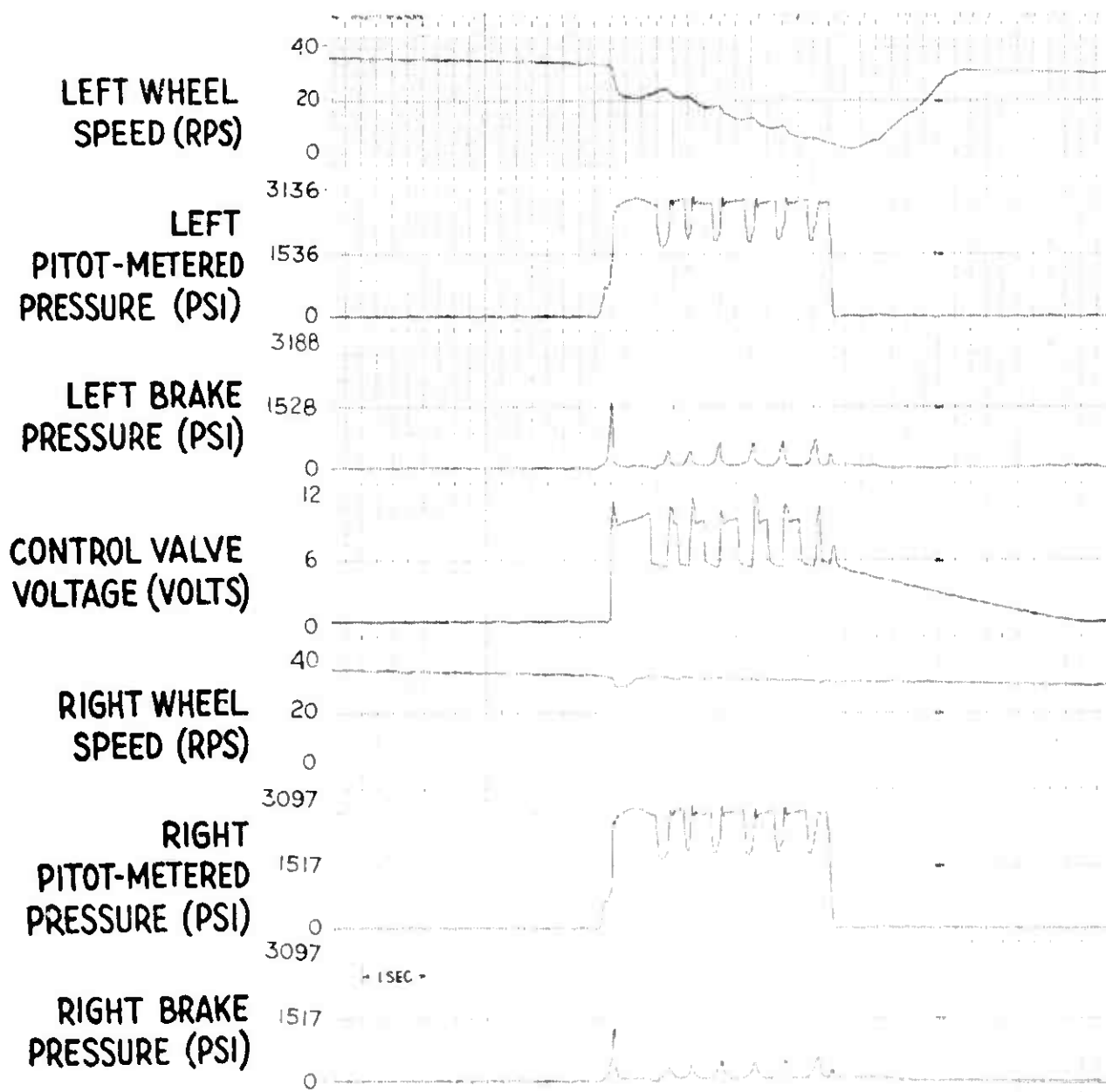


Figure B57

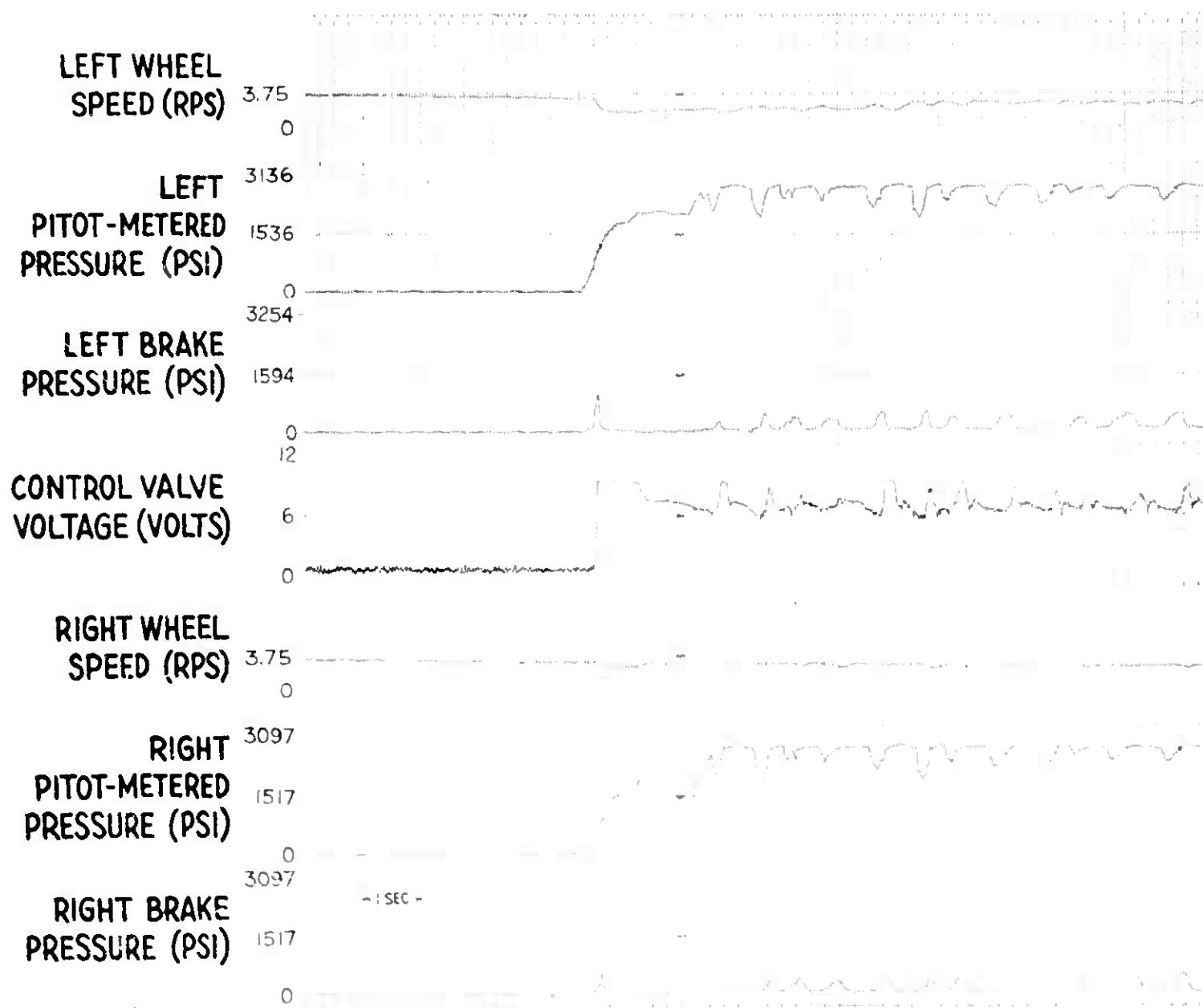
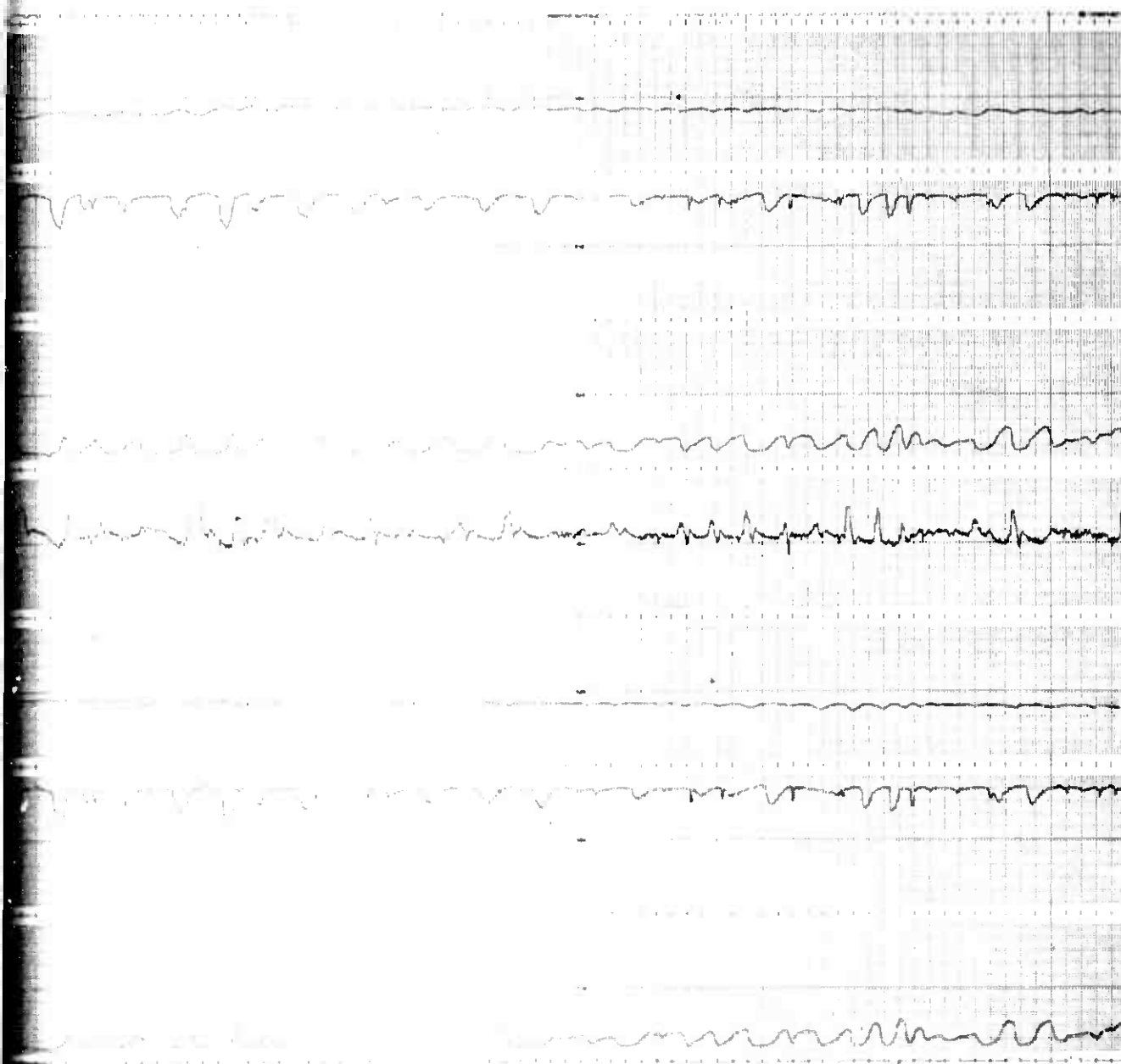


Figure B 58



LEFT WHEEL
SPEED (RPS)

3.75
0

LEFT
PITOT-METERED
PRESSURE (PSI)

3136
1536
0

LEFT BRAKE
PRESSURE (PSI)

3254
1594
0

CONTROL VALVE
VOLTAGE (VOLTS)

12
6
0

RIGHT WHEEL
SPEED (RPS)

3.75
0

RIGHT
PITOT-METERED
PRESSURE (PSI)

3097
1517
0

RIGHT BRAKE
PRESSURE (PSI)

3097
1517
0

- 1 SEC -

Figure B58
(Concluded)

